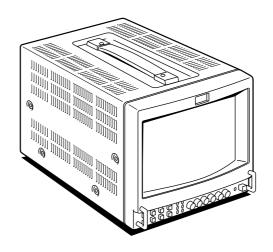
SERVICE MANUAL

S MIC CHASSIS

MODEL	DEST.	CHASSIS NO.	MODEL	DEST.	CHASSIS NO.
PVM-8042Q	US/CND	SCC-E96H-A	PVM-9042QM	AEP	SCC-F09H-A
PVM-8045Q	US/CND	SCC-E96J-A	PVM-9042QM	AUS	SCC-F90F-A
			PVM-9045QM	AEP	SCC-F09J-A
			PVM-9045QM	AUS	SCC-F90G-A
			PVM-9045PM	BRZ	SCC-F31B-A



TRINITRON® COLOR VIDEO MONITOR

⚠ WARNING

This manual is intended for qualified service personnel only.

To reduce the risk of electric shock, fire or injury, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so. Refer all servicing to qualified service personnel.

WARNING!!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS.

THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK & ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL TO SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.

ATTENTION!!

AFIN D'EVITER TOUT RISQUE D'ELECTROCUTION PROVENANT D'UN CHÁSSIS SOUS TENSION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISÉ LORS DE TOUT DÉPANNAGE. LE CHÁSSIS DE CE RÉCEPTEUR EST DIRECTEMENT RACCORDÉ À L'ALIMENTATION SECTEUR.

ATTENTION AUX COMPOSANTS RELATIFS À LA SÉCURITÉ!!

LES COMPOSANTS IDENTIFIÈS PAR UNE TRAME ET PAR UNE MARPUE À SUR LES SCHÉMAS DE PRINCIPE, LES VUES EXPLOSÉES ET LES LISTES DE PIECES CONT D'UNE IMPORTANCE CRITIQUE PUR LA SÉCURITÉ DU FONCTIONNEMENT. NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMÉRO DE PIÉCE EST INDIQUÉ DANS LE PRÉSENT MANUEL OU DANS DES SUPPLÉMENTS PUBLIÉS PAR SONY. LES RÉGLAGES DE CIRCUIT DONT L'IMPORTANCE EST CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT SONT IDENTIFIES DANS LE PRÉSENT MANUEL. SUIVRE CES PROCÉDURES LORS DE CHAQUE REMPLACEMENT DE COMPOSANTS CRITIQUES, OU LORSQU'UN MAUVAIS FONCTIONNEMENT EST SUSPECTÉ.

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from operating instructions. This section is extracted

ES

Trinitron

Trinitron_®

Operating Instructions

Manual de instrucciones.

Mode d'emploi

Color Video Monitor

Trinitron

PVM-8045Q

PVM-8042Q PVM-8040

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Dangerously high voltages are present inside the unit. Do not open the cabinet. Refer servicing to qualified personnel only.

THIS APPARATUS MUST BE EARTHED





This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

For the customers in the USA

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

In the event of a malfunction or when maintenance is necessary, consult an authorized Sony dealer.

Ensure that your equipment is connected correctly.

If you are in any doubt consult a qualified electrician.

CAUTION:

Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Discard used batteries according to the manufacturer's instructions.

On safety

PVM-8045Q/8042Q: Operate the unit on 120 V AC or 12 V DC. For the AC operation, use only the supplied AC power cord or the AC power adaptor recommended (not supplied). Do not use any other type.

For the battery operation, use only the NP-1B battery pack and BP-L60A/L90A with DC-L10 (not supplied). Do not use any other batteries.

- PVM-8040: Operate the unit only on 120 V AC. Use only the supplied AC power cord. Do not use any other type.
- Should any liquid or solid object fall into the cabinet, unplug the unit and have it checked by qualified personnel before operating it further.
- Unplug the unit from the wall outlet if it is not to be used for several days.
- To disconnect the AC power cord, pull it out by the plug. Never pull the cord itself.

On installation

- Allow adequate air circulation to prevent internal heat build-up. Do not place the unit on surfaces (rugs, blankets, etc.) or near materials (curtains, draperies) that may block the ventilation holes.
- Do not install the unit near heat sources such as radiators or air ducts, or in a place subject to direct sunlight, excessive dust, mechanical vibration or shock.
- Keep the unit away from a loudspeaker or motor, as the picture may be affected.

On cleaning

Clean the unit with a slightly dampened soft cloth. Use a mild household detergent. Never use strong solvents such as thinner or benzine as they might damage the finish of the cabinet.

As a safety precaution, unplug the unit before cleaning it

On repacking

Retain the original carton and packing materials for safe transport of this unit in the future.

If you have any questions about this unit, contact your authorized Sony dealer.

ATTENTION – When the product is installed in a rack:

a) Elevated operating ambient temperature

If installed in a closed or multi-unit rack assembly, the operating ambient temperature of the rack environment may be greater than room ambient. Therefore, consideration should be given to installing the equipment in an environment compatible with the manufacturer's maximum rated ambient temperature of 0 to +35°C (32 to 95°F) (Tmra).

b) Reduced air flow

Installation of the equipment in a rack should be such that the amount of air flow required for safe operation of the equipment is not compromised.

c) Mechanical loading

Mounting of the equipment in the rack should be such that a hazardous condition is not achieved due to uneven mechanical loading.

d) Circuit overloading

Consideration should be given to the connection of the equipment to the supply circuit and the effect that overloading of circuits might have on overcurrent protection and supply wiring. Appropriate consideration of equipment nameplate ratings should be used when addressing this concern.

e) Reliable earthing

Reliable earthing of rack-mounted equipment should be maintained. Particular attention should be given to supply connections other than direct connections to the branch circuit (e.g., use of power strips).

f) Gap keeping

The upper and lower gaps of rack-mounted equipment should be least 44 mm (1 3 /4 inches).

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This instruction manual covers the PVM-8045Q, PVM-8042Q and PVM-8040. The differences among the models are clearly described in the text.

PVM-8045Q/8042Q

PVM-8040

Features

Four color systems available (PVM-8045Q/8042Q only)

The monitor can display NTSC, PAL, SECAM and NTSC4.43¹⁾ signals. The appropriate color system is selected automatically.

HR (High Resolution) Trinitron $^{\circ 2}$ picture tube (PVM-8045Q)

The HR Trinitron picture tube (0.25 mm aperture grill pitch) provides a high resolution picture. Horizontal resolution is more than 450 TV lines at the center of the picture.

Trinitron picture tube (PVM-8042Q/8040)

The Trinitron picture tube (0.5mm aperture grill pitch) provides a high resolution picture. Horizontal resolution is more than 250 TV lines at the center of the picture.

Beam current feedback circuit

The built-in beam current feedback circuit assures stable white balance.

Comb filter

When NTSC video signals are received, a comb filter activates to increase the resolution, resulting fine picture detail without color spill or color noise.

Multiple input signals (PVM-8045Q/8042Q only)

In addition to the composite video signals and the Y/C signals, analog RGB signals and component signals can be input.

External sync input (PVM-8045Q/8042Q only)

When the EXT SYNC button is pressed, the monitor can be operated on the sync signal fed through an external sync connector.

Blue only picture (PVM-8045Q/8042Q only)

Black and white apparent picture consisting from only the blue signal will be displayed. This facilitates the "chroma" and "phase" adjustment, and the observation of the video noise.

16:9 selector (PVM-8045Q/8042Q only)

The monitor can display the 16:9 signal with the correct ratio of width and height, compressing the picture vertically.

Under scan mode (PVM-8045Q/8042Q only)

The monitor can display signals that are scanned outside the normal screen so you can monitor the whole image.

Audio circuit and built-in speaker

A speaker (0.5 W, monaural) is built into the monitor for sound monitoring.

Automatic/Manual DEGAUSS

The screen is automatically demagnetized when the monitor is turned on. Manual degauss is also available for PVM-8045Q/8042Q by pressing the DEGAUSS button

Automatic termination

(only connectors marked ✓√√)
The Y/C, VIDEO IN and EXT SYNC IN connectors are terminated at 75 ohms inside, when no cable is connected to the loop-through output connectors.
When a cable is connected to an output connector, the 75-ohm termination is automatically released.

EIA standard 19-inch rack mounting

By using an MB-507 mounting bracket (not supplied), the monitor can be mounted in an EIA standard 19-inch rack. For details on mounting, see the instruction manual of the MB-507.

Varied power sources

In addition to AC power, you can use battery pack or external DC 12 V power. The monitor can operate with one or two Sony NP-1B* battery packs. If you use the DC-L10* battery adaptor, the monitor can operate with a Sony BP-L60A/L90A* lithium ion battery pack.

* The NP-1B battery pack, DC-L10 battery adaptor and BP-L60A/L90A battery pack are not supplied.

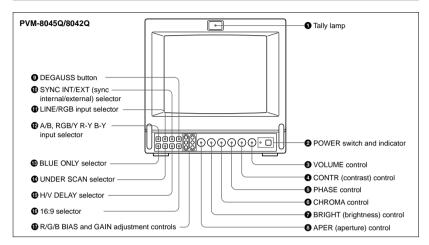
4 (us) 5 (us)

¹⁾ An NTSC 4.43 signal is used for playing back NTSC-recorded video cassettes with a video tape recorder/player especially designed for use with this system.

²⁾ Trinitron is a trademark of Sony Corporation.

Location and Function of Parts and Controls

Front



1 Tally lamp

This indicator lights up. The tally control connection is

For the pin assignment, see "Specificatons" on page 12 (US).

2 POWER switch and indicator

Depress to turn the monitor on. The indicator will light up in green.

The POWER indicator also functions as the battery indicator. When the internal battery becomes weak or the power supplied through the DC 12 V IN jack decreases, the indicator flashes.

3 VOLUME control

Turn this control clockwise or counterclockwise to obtain the desired volume.

4 CONTR (contrast) control

Turn clockwise to make the contrast stronger and counterclockwise to make it weaker.

6 PHASE control

This control is effective only for the NTSC and NTSC4.43 color systems. Turn clockwise to make the skin tones greenish and counterclockwise to make them purplish.

6 CHROMA control

Turn clockwise to make the colour intensity stronger and counterclockwise to make it weaker.

BRIGHT (brightness) control

Turn clockwise for more brightness and counterclockwise for less.

3 APER (aperture) control

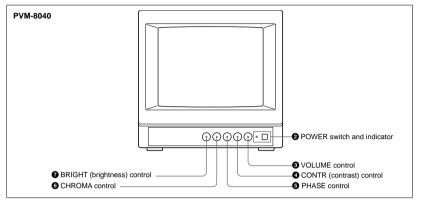
Turn clockwise for more sharpness and counterclockwise for less.

- The PHASE, CHROMA and APER control settings have no effect on an analog RGB signal.
- The PHASE control has no effect on component
- . The PHASE control setting is effective only for the NTSC system.

DEGAUSS button

Press this button momentarily. The screen will be demagnetized.

If you press the DEGAUSS button again too soon, the color shades may be uneven.



SYNC INT/EXT (sync internal/external) selector

Keep this button released (INT) to operate the monitor on the sync signal from the displayed composite video

Depress this button (EXT) to operate the monitor on an external sync signal fed through the EXT SYNC connector on the rear panel.

1 LINE/RGB input selector

Select the programme to be monitored. Keep this button released (LINE) for a signal fed through the LINE A or LINE B connectors. Depress this button (RGB) for a signal fed through the RGB connectors.

A/B, RGB/Y R-Y B-Y input selector When the LINE/RGB input selector is set to LINE,

keep this button released (A) for a signal fed through the LINE A connectors. Press this button (B) to monitor the signals from the LINE B connector.

When the LINE/RGB input selector is set to RGB.

select the RGB signal or the component signal which is fed through the RGB input connectors. Keep this button released (RGB) for the RGB signal. Press this button (Y R-Y B-Y) to monitor the component signals.

BBLUE ONLY selector

Depress this button to turn off the red and green signals. A blue signal is displayed as an apparent monochrome picture on the screen. This facilitates "chroma" and "phase" control adjustments and the observation of video noise.

The PHASE control adjustments is effective only for the NTSC system.

1 UNDER SCAN selector

Depress this button for underscanning. The display size is reduced by approximately 3% so that four corners of the picture are visible.

(B) H/V DELAY selector

Depress this button to observe the horizontal and vertical sync signals at the same time. The horizontal sync signal is displayed in the left quarter of the screen; the vertical sync signal is displayed near the center of the screen.

16:9 selector

Press this selector to monitor the signals of 16:9

Pressing the UNDER SCAN selector 10 in 16:9 mode displays the whole 16:9 picture up to the four corners.

R/G/B BIAS and GAIN adjustment controls

Used for white balance fine adjustment BIAS and GAIN controls are provided for the R (red),

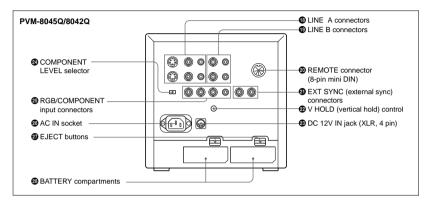
G (green) and B (blue) screens. BIAS: Adjust the white balance and brightness of the screen at the lowlight.

GAIN: Adjust the white balance and brightness of the screen at the highlight.

6 (US)

Location and Function of Parts and Controls

Rear



(B) LINE A connectors (PVM-8045Q/8042Q) **(B)** LINE connectors (PVM-8040)

- Y/C IN (4-pin mini DIN): Connect to the Y/C separate output of a video camera, VCR or other video equipment.
- Y/C OUT (4-pin mini DIN): Loop-through output of the Y/C IN connector. Connect to the Y/C separate input of a VCR or another monitor.
- VIDEO IN (BNC): Connect to the video output of a video camera, VCR or other video equipment.
- VIDEO OUT (BNC): Loop-through output of the VIDEO IN connector. Connect to the video input of a VCR or another monitor.
- **AUDIO IN (phono jack):** Connect to the audio output of a VCR or a microphone (through a suitable microphone amplifier).
- AUDIO OUT (phono jack): Loop-through output of the AUDIO IN connector. Connect to the audio input of a VCR or another monitor.

Note

The Y/C IN connector has a priority over the VIDEO IN connector.

When a plug is connected to the Y/C IN connector, the VIDEO IN connector is automatically disconnected.

Note

(PVM-8045Q/8042Q only)

To monitor the signal fed through these connectors, keep the LINE/RGB selector and the A/B, RGB/Y R-Y B-Y selector on the front panel released (LINE and A).

D LINE B connectors

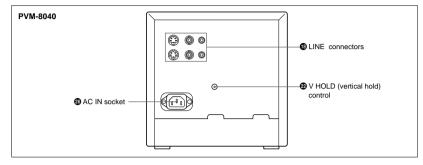
To monitor the signal fed through these connectors, keep the LINE/RGB selector released (LINE) and depress the A/B, RGB/Y R-Y B-Y selector on the front panel (B).

- VIDEO IN (BNC): Connect to the video output of a video camera, VCR or other video equipment.
- VIDEO OUT (BNC): Loop-through output of the VIDEO IN connector. Connect to the video input of a VCR or another monitor.
- AUDIO IN (phono jack): Connect to the audio output of a VCR or a microphone (through a suitable microphone amplifier).
- AUDIO OUT (phono jack): Loop-through output of the AUDIO IN connector. Connect to the audio input of a VCR or another monitor.

@ REMOTE connector (8-pin mini DIN)

Connect to the tally output of a control console, special-effect generator, etc. The tally lamp on the front panel will be turned on and off by the connected equipment. This connector can be used for connecting a remote controller.

For the pin assignment of this connector, see "Specifications" on page 12 (US).



3 EXT SYNC (external sync) connectors

- IN (BNC): When this monitor operates on an external sync signal, connect the reference signal from a sync generator to this connector. In this case, depress the SYNC INT/EXT selector on the front panel (EXT).
- OUT (BNC): Loop-through output of the EXT SYCN IN connector. Connect to the external sync input of video equipment to be synchronized with this monitor.

2 V HOLD (vertical hold) control

Turn to stabilize the picture if it rolls vertically.

DC 12V IN jack (XLR, 4 pin)

Connect the Sony battery adaptor DC-L10 (not supplied).

2 COMPONENT LEVEL selector

Select the component level from among two modes.

N10/SMPTE: for 100/0/100/0 signal

BETA 0: for 100/0/75/0 signal

❷ RGB/COMPONENT input connectors

R/R-Y, G/Y, B/B-Y (BNC), AUDIO (phono):

To monitor a signal fed through these connectors, depress the LINE/RGB selector on the front panel (RGB). When the SYNC INT/EXT selector on the front paner is released (INT), the monitor operates on the sync signal from the G/Y channel.

To monitor the analog RGB signal

Connect to the analog RGB signal outputs of a video camera. Keep the A/B, RGB/Y R-Y B-Y selector on the front panel released (RGB).

To monitor the component signal

Connect to the R-Y/Y/B-Y component signal outputs of a Sony BetaCam video camera. Depress the A/B, RGB/Y R-Y B-Y selector on the front panel (Y R-Y B-Y).

2 AC IN socket

Connect the supplied AC power cord to this socket and to a wall outlet.

2 EJECT buttons

Press the EJECT button upwards to remove the battery pack.

BATTERY compartments

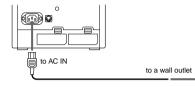
Insert the NP-1B battery pack (not supplied).

8 (us)

Power Sources

House Current (for all models)

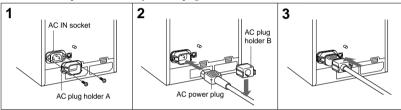
Connect the supplied AC power cord to the AC IN socket and to a wall outlet.



For the PVM-8045Q/8042Q

When the AC power cord is plugged into the AC IN socket, the battery pack (if installed) or the AC power adaptor (if connected) is automatically disconnected.

To connect an AC power cord securely with AC plug holders.



- 1 Remove the AC IN socket screws and then use them to attach the AC plug holder A (supplied) to the AC IN socket.
- **2** Plug the power cord to the AC IN sokcet. Then, attach the supplied AC plug holder B on top of the AC power cord.

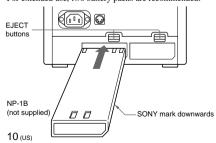
3 Slide AC plug holder B over the cord until is locks.

To remove the AC power cord

Pull out AC plug holder B by squeezing the left and right sides.

Rechargeable Battery (PVM-8045Q/8042Q only)

The monitor can operate with one or two battery packs. For extended use, two battery packs are recommended.



To remove the battery pack, press the EJECT button

For charging, use the BC-1WD for the NP-1B.

Make sure you disconnect the cables connected to the connectors (AC IN, DC 12 V IN) at the rear of the monitor. Otherwise, the monitor cannot operate on the battery pack(s).

Specifications

Video signal

PVM-8045Q/8042Q: NTSC, Colour system

PAL, SECAM, NTSC4.43 PVM-8040: NTSC

Resolution PVM-8045Q: 450 TV lines

PVM-8042Q/8040: 250 TV lines

Aperture correction -4.0 dB to +6.0 dB (at 3.0 MHz) Frequency response 6.0 MHz (-3.0 dB) at all inputs Synchronization AFC time constant 1.0 msec.

Picture performance

Normal scan 6% over scan of CRT effective

screen area

3% underscan of CRT effective Underscan

screen area

H. linearity Less than 5.0% (typical)

V. linearity Less than 5.0% (typical) Central area: 0.43 mm (typical) Convergence

Peripheral area: 0.53 mm

(typical)

Raster size stability H: 1.0%, V: 1.5%

High voltage regulation 3.0% Color temperature D65

Inputs and Outputs

	Model	PVM-8045Q	PVM-8040
Connector		PVM-8042Q	
LINE A	Y/C IN	yes	yes
	Y/C OUT	yes	yes
	VIDEO IN	yes	yes
	VIDEO OUT	yes	yes
	AUDIO IN	yes	yes
	AUDIO OUT	yes	yes
LINE B	VIDEO IN	yes	no
	VIDEO OUT	yes	no
	AUDIO IN	yes	no
	AUDIO OUT	yes	no
RGB/	R/R-Y IN	yes	no
COMPONENT		yes	no
	B/B-Y IN	yes	no
	AUDIO IN	yes	no
EXT SYNC	IN	yes	no
	OUT	yes	no
REMOTE		yes	no

Y/C IN: 4-pin mini DIN Inputs

connector

See the pin assignment on page 12 (US).

VIDEO IN: BNC connector

1 Vp-p ± 6 dB, sync negative AUDIO IN: phono jack, -5 dBua, less than 47 kohms

R/R-Y, G/Y, B/B-Y: BNC

connector

R, G, B channels: 0.7 Vp-p, ± 6 dB Sync on green: 0.3 Vp-p,

negative,

R-Y, Y, B-Y channels: 0.7 Vp-p, ±6 dB (Standard colour bar signal of 75% chrominance) EXT SYNC IN: BNC connector

Composite sync 4 Vp-p, ±6 dB,

negative

Loop-through outputs Y/C OUT: 4-pin mini DIN

connector, 75 ohms terminated (75 ohms automatic termination) VIDEO OUT: BNC connector, 75 ohms terminated (75 ohms automatic termination) AUDIO OUT: phono jack

EXT SYNC OUT: BNC connector, 75 ohms terminated

Speaker output Output level 0.5 W Remote input

REMOTE: 8-pin mini DIN connctor (75 ohms automatic

termination)

See the pin assignment on page

12 (US).

a) 0 dBu = 0.775 Vr.m.s.

General

Power consumption & requirements

PVM-8045Q/8042Q: 0.6 A 45 W MAX at 120 V AC

operation

3.7 A 38 W at 12 V DC operation PVM-8040:

0.6 A 39 W MAX at 120 V AC

operation

Operating conditions

Temperature 0 to +35°C (32 to 95°F) 0 to 90% (no condensation) Humidity

Pressure 700 to 1060 hPa

Specifications

Transport and storage conditions

Temperature $-10 \text{ to } +40^{\circ}\text{C} \text{ (14 to } 104^{\circ}\text{F)}$

Humidity 0 to 90%

Pressure 700 to 1060 hPa

Dimensions Approx. 217 x 217 x 352.5 mm (w/h/d) (8 $^{5}/_{8} \times 8$ $^{5}/_{8} \times 14$ inches)

not incl. projecting parts and controls

Mass Approx. 8.2 kg (18 lb 1 oz) not incl. battery packs

Accessory supplied AC power cord (1)

Cable with an 8-pin connector (1) (PVM-8045Q/8042Q only) AC plug holders (1 set)

Tally plate (1) (PVM-8045Q/

8042Q only)

Design and specifications are subject to change without notice.

Pin Assignment

Y/C IN connector (4-pin mini DIN)



Pin No.	Signal	Description
1	Y-input	1 Vp-p, sync negative, 75 ohms
2	CHROMA sub-carrier-input	286 mVp-p (NTSC), burst Delay time between Y and C: within 0 ±100 nsec., 75 ohms
3	GND for Y-input	GND
4	GND for CHROMA-input	GND

REMOTE connector (8-pin mini DIN)

(PVM-8045Q/8042Q only)



Pin No.	Signal
1	16:9
2	H/V delay
3	GND
4	EXT SYNC
5	Tally
6	Underscan
7	A/B or RGB/Y R-Y B-Y
8	LINE/RGB

- Notes
 For remote control, connect the pin of the desired function to pin 3 (GND).
- For remote control, set the front button to OFF (the switch is out).

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Trinitron. Color Video Monitor

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Trinitron

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PVM-9045QM

PVM-9042QM PVM-9040ME

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WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

Dangerously high voltages are present inside the unit. Do not open the cabinet. Refer servicing to qualified personnel only.

In the event of a malfunction or when maintenance is necessary, consult an authorized Sony dealer.

THIS APPARATUS MUST BE EARTHED

For the customers in the UNITED KINGDOM

IMPORTANT

The wires in this mains lead are coloured in accordance with the following code:

Green-and-yellow: Earth
Blue: Neutral
Brown: Live

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug proceed as follows: The wire which is coloured green-and-yellow must be connected to the terminal in the plug which is marked with the letter E or by the safety earth symbol $\frac{1}{7}$ or coloured green or green-and-yellow.

The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black. The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

Ensure that your equipment is connected correctly.

If you are in any doubt consult a qualified electrician

CAUTION:

Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Discard used batteries according to the manufacturer's instructions.

Voor de klanten in Nederland



Bij dit produkt zijn batterijen geleverd. Wanneer deze leeg zijn, moet u ze niet weggooien maar inleveren als KCA.

Precautions

On safety

 PVM-9045QM/9042QM: Operate the unit on 100 -240 V AC or 12 V DC. For the AC operation, use only the supplied AC power cord or the AC power adaptor recommended (not supplied). Do not use any other type.

For the battery operation, use only the NP-1B battery pack and BP-L60A/L90A with DC-L10 (not supplied). Do not use any other batteries.

- PVM-9040ME: Operate the unit only on 100 240 V AC. Use only the supplied AC power cord. Do not use any other type.
- Should any liquid or solid object fall into the cabinet, unplug the unit and have it checked by qualified personnel before operating it further.
- Unplug the unit from the wall outlet if it is not to be used for several days.
- To disconnect the AC power cord, pull it out by the plug. Never pull the cord itself.

On installation

- Allow adequate air circulation to prevent internal heat build-up. Do not place the unit on surfaces (rugs, blankets, etc.) or near materials (curtains, draperies) that may block the ventilation holes.
- Do not install the unit near heat sources such as radiators or air ducts, or in a place subject to direct sunlight, excessive dust, mechanical vibration or shock.
- Keep the unit away from a loudspeaker or motor, as the picture may be affected.

On cleaning

Clean the unit with a slightly dampened soft cloth. Use a mild household detergent. Never use strong solvents such as thinner or benzine as they might damage the finish of the cabinet.

As a safety precaution, unplug the unit before cleaning it.

On repacking

Retain the original carton and packing materials for safe transport of this unit in the future.

If you have any questions about this unit, contact your authorized Sony dealer.

ATTENTION – When the product is installed in a rack:

a) Elevated operating ambient temperature

If installed in a closed or multi-unit rack assembly, the operating ambient temperature of the rack environment may be greater than room ambient. Therefore, consideration should be given to installing the equipment in an environment compatible with the manufacturer's maximum rated ambient temperature of 0 to +35°C (32 to 95°F) (Tmra).

b) Reduced air flow

Installation of the equipment in a rack should be such that the amount of air flow required for safe operation of the equipment is not compromised.

c) Mechanical loading

Mounting of the equipment in the rack should be such that a hazardous condition is not achieved due to uneven mechanical loading.

d) Circuit overloading

Consideration should be given to the connection of the equipment to the supply circuit and the effect that overloading of circuits might have on overcurrent protection and supply wiring. Appropriate consideration of equipment nameplate ratings should be used when addressing this concern.

e) Reliable earthing

Reliable earthing of rack-mounted equipment should be maintained. Particular attention should be given to supply connections other than direct connections to the branch circuit (e.g., use of power strips).

f) Gap keeping

The upper and lower gaps of rack-mounted equipment should be least 44 mm (1 ³/₄ inches).

 $2_{(GB)}$

Table of Contents

Features	!
Location and function of parts and controls	
Front	
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Specifications	1 ²

This instruction manual covers the PVM-9045QM, PVM-9042QM and PVM-9040ME.

The differences among the models are clearly described in the text.

PVM-9045QM/9042QM

PVM-9040ME

Features

Four colour systems available (PVM-9045QM/9042QM only)

The monitor can display PAL, SECAM, NTSC and NTSC4.43¹⁾ signals. The appropriate colour system is selected automatically.

HR (High Resolution) Trinitron® 2) picture tube (PVM-9045OM)

The HR Trinitron picture tube (0.25 mm aperture grill pitch) provides a high resolution picture. Horizontal resolution is more than 450 TV lines at the center of the picture.

Trinitron picture tube (PVM-9042QM/9040ME)

The Trinitron picture tube (0.5mm aperture grill pitch) provides a high resolution picture. Horizontal resolution is more than 250 TV lines at the center of the picture.

Beam current feedback circuit

The built-in beam current feedback circuit assures stable white balance.

Multiple input signals (PVM-9045QM/9042QM only)

In addition to the composite video signals and the Y/C signals, analog RGB signals and component signals can be input.

External sync input (PVM-9045QM/9042QM only)

When the EXT SYNC button is pressed, the monitor can be operated on the sync signal fed through an external sync connector.

Blue only picture (PVM-9045QM/9042QM only)

Black and white apparent picture consisting from only the blue signal will be displayed. This facilitates the chroma adjustment, and the observation of the video noise.

16:9 selector (PVM-9045QM/9042QM only)

The monitor can display the 16:9 signal with the correct ratio of width and height, compressing the picture vertically.

Under scan mode (PVM-9045QM/9042QM only)

The monitor can display signals that are scanned outside the normal screen so you can monitor the whole image.

Audio circuit and built-in speaker

A speaker (0.5 W, monaural) is built into the monitor for sound monitoring.

Automatic/Manual DEGAUSS

The screen is automatically demagnetized when the monitor is turned on. Manual degauss is also available for PVM-9045QM/9042QM by pressing the DEGAUSS button.

Automatic termination

(only connectors marked ⟨¬¬¬)
The Y/C, VIDEO IN and EXT SYNC IN connectors are terminated at 75 ohms inside, when no cable is connected to the loop-through output connectors.
When a cable is connected to an output connector, the 75-ohm termination is automatically released.

EIA standard 19-inch rack mounting

By using an MB-507 mounting bracket (not supplied), the monitor can be mounted in an EIA standard 19-inch rack. For details on mounting, see the instruction manual of the MB-507.

Varied power sources

In addition to AC power, you can use battery pack or external DC 12 V power. The monitor can operate with one or two Sony NP-1B* battery packs. If you use the DC-L10* battery adaptor, the monitor can operate with a Sony BP-L60A/L90A* lithium ion battery pack.

* The NP-1B battery pack, DC-L10 battery adaptor and BP-L60A/L90A battery pack are not supplied.

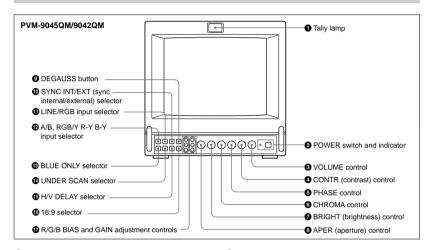
4 (GB)

An NTSC 4.43 signal is used for playing back NTSC-recorded video cassettes with a video tape recorder/player especially designed for use with this system.

²⁾ Trinitron is a trademark of Sony Corporation.

Location and Function of Parts and Controls

Front



1 Tally lamp

This indicator lights up. The tally control connection is needed.

For the pin assignment, see "Specificatons" on page 12 (GB).

2 POWER switch and indicator

Depress to turn the monitor on. The indicator will light up in green.

The POWER indicator also functions as the battery indicator. When the internal battery becomes weak or the power supplied through the DC 12 V IN jack decreases, the indicator flashes.

3 VOLUME control

Turn this control clockwise or counterclockwise to obtain the desired volume.

4 CONTR (contrast) control

Turn clockwise to make the contrast stronger and counterclockwise to make it weaker.

6 PHASE control

This control is effective only for the NTSC and NTSC4.43 colour systems. Turn clockwise to make the skin tones greenish and counterclockwise to make them purplish.

6 CHROMA control

Turn clockwise to make the colour intensity stronger and counterclockwise to make it weaker.

7 BRIGHT (brightness) control

Turn clockwise for more brightness and counterclockwise for less.

3 APER (aperture) control

Turn clockwise for more sharpness and counterclockwise for less.

Notes

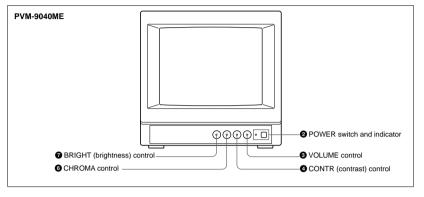
- The PHASE, CHROMA and APER control settings have no effect on an analog RGB signal.
- The PHASE control has no effect on component
- The PHASE control setting is effective only for the NTSC system.

DEGAUSS button

Press this button momentarily. The screen will be demagnetized.

Note

If you press the DEGAUSS button again too soon, the color shades may be uneven.



${\bf \textcircled{0}} \ SYNC \ INT/EXT \ (sync \ internal/external) \ selector$

Keep this button released (INT) to operate the monitor on the sync signal from the displayed composite video signal.

Depress this button (EXT) to operate the monitor on an external sync signal fed through the EXT SYNC connector on the rear panel.

1 LINE/RGB input selector

Select the programme to be monitored. Keep this button released (LINE) for a signal fed through the LINE A or LINE B connectors. Depress this button (RGB) for a signal fed through the RGB connectors.

♠ A/B, RGB/Y R-Y B-Y input selector When the LINE/RGB input selector is set to LINE,

keep this button released (A) for a signal fed through the LINE A connectors. Press this button (B) to monitor the signals from the LINE B connectors.

When the LINE/RGB input selector is set to RGB,

select the RGB signal or the component signal which is fed through the RGB input connectors. Keep this button released (RGB) for the RGB signal. Press this button (Y R-Y B-Y) to monitor the component signals.

BLUE ONLY selector

Depress this button to turn off the red and green signals. A blue signal is displayed as an apparent monochrome picture on the screen. This facilitates "chroma" control adjustments and the observation of video noise.

W UNDER SCAN selector

Depress this button for underscanning. The display size is reduced by approximately 3% so that four corners of the picture are visible.

6 H/V DELAY selector

Depress this button to observe the horizontal and vertical sync signals at the same time. The horizontal sync signal is displayed in the left quarter of the screen; the vertical sync signal is displayed near the center of the screen.

16:9 selector

Press this selector to monitor the signals of 16:9 picture.

Pressing the UNDER SCAN selector (1) in 16:9 mode displays the whole 16:9 picture up to the four corners.

R/G/B BIAS and GAIN adjustment controls

Used for white balance fine adjustment.

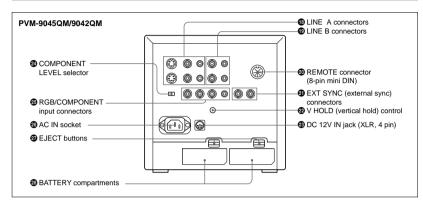
BIAS and GAIN controls are provided for the R (red),
G (green) and B (blue) screens.

BIAS: Adjust the white balance and brightness of the screen at the lowlight.

GAIN: Adjust the white balance and brightness of the screen at the highlight.

7(GB)

Rear



③ LINE A connectors (PVM-9045QM/9042QM) **③** LINE connectors (PVM-9040ME)

- Y/C IN (4-pin mini DIN): Connect to the Y/C separate output of a video camera, VCR or other video equipment.
- Y/C OUT (4-pin mini DIN): Loop-through output of the Y/C IN connector. Connect to the Y/C separate input of a VCR or another monitor.
- VIDEO IN (BNC): Connect to the video output of a video camera, VCR or other video equipment.
- VIDEO OUT (BNC): Loop-through output of the VIDEO IN connector. Connect to the video input of a VCR or another monitor.
- AUDIO IN (phono jack): Connect to the audio output of a VCR or a microphone (through a suitable microphone amplifier).
- AUDIO OUT (phono jack): Loop-through output of the AUDIO IN connector. Connect to the audio input of a VCR or another monitor.

Note

The Y/C IN connector has a priority over the VIDEO IN connector.

When a plug is connected to the Y/C IN connector, the VIDEO IN connector is automatically disconnected.

Note

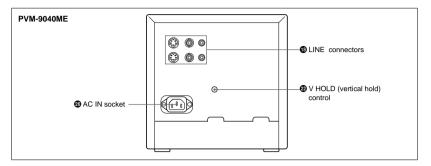
(PVM-9045QM/9042QM only)

To monitor the signal fed through these connectors, keep the LINE/RGB selector and the A/B, RGB/Y R-Y B-Y selector on the front panel released (LINE and A).

1 LINE B connectors

To monitor the signal fed through these connectors, keep the LINE/RGB selector released (LINE) and depress the A/B, RGB/Y R-Y B-Y selector on the front panel (B).

- VIDEO IN (BNC): Connect to the video output of a video camera, VCR or other video equipment.
- VIDEO OUT (BNC): Loop-through output of the VIDEO IN connector. Connect to the video input of a VCR or another monitor.
- **AUDIO IN (phono jack):** Connect to the audio output of a VCR or a microphone (through a suitable microphone amplifier).
- AUDIO OUT (phono jack): Loop-through output of the AUDIO IN connector. Connect to the audio input of a VCR or another monitor.



@ REMOTE connector (8-pin mini DIN)

Connect to the tally output of a control console, special-effect generator, etc. The tally lamp on the front panel will be turned on and off by the connected equipment. This connector can be used for connecting a remote controller.

For the pin assignment of this connector, see "Specifications" on page 12 (GB).

2 EXT SYNC (external sync) connectors

- IN (BNC): When this monitor operates on an external sync signal, connect the reference signal from a sync generator to this connector. In this case, depress the SYNC INT/EXT selector on the front panel (EXT).
- OUT (BNC): Loop-through output of the EXT SYCN IN connector. Connect to the external sync input of video equipment to be synchronized with this monitor.

2 V HOLD (vertical hold) control

Turn to stabilize the picture if it rolls vertically.

② DC 12V IN jack (XLR, 4 pin)

Connect the Sony battery adaptor DC-L10 (not supplied).

2 COMPONENT LEVEL selector

Select the component level from among two modes.

N10/SMPTE: for 100/0/100/0 signal **BETA 0:** for 100/0/75/0 signal

RGB/COMPONENT input connectors

R/R-Y, G/Y, B/B-Y (BNC), AUDIO (phono):

To monitor a signal fed through these connectors, depress the LINE/RGB selector on the front panel (RGB). When the SYNC INT/EXT selector on the front paner is released (INT), the monitor operates on the sync signal from the G/Y channel.

To monitor the analog RGB signal

Connect to the analog RGB signal outputs of a video camera. Keep the A/B, RGB/Y R-Y B-Y selector on the front panel released (RGB).

To monitor the component signal

Connect to the R-Y/Y/B-Y component signal outputs of a Sony BetaCam video camera. Depress the A/B, RGB/Y R-Y B-Y selector on the front panel (Y R-Y B-Y).

2 AC IN socket

Connect the supplied AC power cord to this socket and to a wall outlet.

2 EJECT buttons

Press the EJECT button upwards to remove the battery pack.

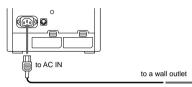
8 BATTERY compartments

Insert the NP-1B battery pack (not supplied).

Power Sources

House Current (for all models)

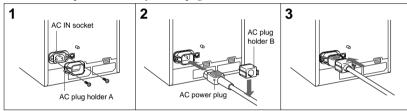
Connect the supplied AC power cord to the AC IN socket and to a wall outlet.



For the PVM-9045QM/9042QM

When the AC power cord is plugged into the AC IN socket, the battery pack (if installed) or the DC 12 V IN jack (if connected) is automatically disconnected.

To connect an AC power cord securely with AC plug holders.



- 1 Remove the AC IN socket screws and then use them to attach the AC plug holder A (supplied) to the AC IN socket.
- **2** Plug the power cord to the AC IN sokcet. Then, attach the supplied AC plug holder B on top of the AC power cord.

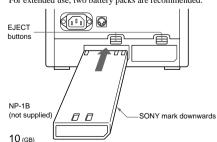
3 Slide AC plug holder B over the cord until is locks.

To remove the AC power cord

Pull out AC plug holder B by squeezing the left and right sides.

Rechargeable Battery (PVM-9045QM/9042QM only)

The monitor can operate with one or two battery packs. For extended use, two battery packs are recommended.



To remove the battery pack, press the EJECT button upwards.

For charging, use the BC-1WDCE for the NP-1B.

Note

Make sure you disconnect the cables connected to the connectors (AC IN, DC 12 V IN) at the rear of the monitor. Otherwise, the monitor cannot operate on the battery pack(s).

Specifications

Video signal

Resolution

Colour system PVM-9045QM/9042QM: PAL,

SECAM, NTSC, NTSC4.43 PVM-9040ME: PAL, SECAM PVM-9045OM: 450 TV lines

PVM-9043QM: 430 TV fines PVM-9042QM/9040ME: 250 TV

lines

Aperture correction -4.0 dB to +6.0 dB (at 3.0 MHz)

Frequency response 6.0 MHz (-3.0 dB)

Synchronization AFC time constant 1.0 msec.

Picture performance

Normal scan 6% over scan of CRT effective

screen area

Underscan 3% underscan of CRT effective

screen area

H. linearity Less than 5.0% (typical)
V. linearity Less than 5.0% (typical)
Convergence Central area: 0.43 mm (typical)

Peripheral area: 0.53 mm (typical)

Raster size stability H: 1.0%, V: 1.5%

High voltage regulation 3.0%

Colour temperature D65

Inputs and Outputs

Model			PVM-9040ME
Connector		PVM-9042QM	
LINE A	Y/C IN	yes	yes
	Y/C OUT	yes	yes
	VIDEO IN	yes	yes
	VIDEO OUT	yes	yes
	AUDIO IN	yes	yes
	AUDIO OUT	yes	yes
LINE B	VIDEO IN	yes	no
	VIDEO OUT	yes	no
	AUDIO IN	yes	no
	AUDIO OUT	yes	no
RGB/	R/R-Y IN	yes	no
COMPONENT		yes	no
	B/B-Y IN	yes	no
	AUDIO IN	yes	no
EXT SYNC	IN	yes	no
	OUT	yes	no
REMOTE		yes	no

Inputs Y/C IN: 4-pin mini DIN

connector

See the pin assignment on page

12 (GB).

$$\label{eq:VIDEO} \begin{split} VIDEO\ IN:\ BNC\ connector \\ 1\ Vp\text{-}p\pm6\ dB,\ sync\ negative \\ AUDIO\ IN:\ phono\ jack,\ -5\ dBu^a), \end{split}$$

less than 47 kohms R/R-Y, G/Y, B/B-Y: BNC

connector

R, G, B channels: 0.7 Vp-p, ± 6 dB Sync on green: 0.3 Vp-p,

negative

R-Y, Y, B-Y channels: 0.7 Vp-p, ±6 dB (Standard colour bar signal of 100% chrominance) EXT SYNC IN: BNC connector Composite sync 4 Vp-p, ±6 dB,

negative

Loop-through outputs

Y/C OUT: 4-pin mini DIN connector, 75 ohms terminated (75 ohms automatic termination) VIDEO OUT: BNC connector, 75 ohms terminated (75 ohms automatic termination) AUDIO OUT: phono jack

EXT SYNC OUT: BNC connector, 75 ohms terminated

Speaker output Output level: 0.5W

Remote input REMOTE: 8-pin mini DIN connctor (75 ohms automatic

termination)

See the pin assignment on page

12 (GB).

a) 0 dBu = 0.775 Vr.m.s.

General

Power consumption & requirements

PVM-9045QM/9042QM: 0.7 to 0.4A 43W at 100 to 240V

AC operation

3.7A 40W at 12 V DC operation PVM-9040ME:

0.7 to 0.4A 39W at 100 to 240V AC operation

Operating conditions

Temperature 0 to +35°C (32 to 95°F) Humidity 0 to 90% (no condensation)

Pressure 700 to 1060 hPa

Transport and storage conditions

Temperature -10 to +40°C (14 to 104°F) Humidity 0 to 90%

Pressure 700 to 1060 hPa

Dimensions Approx. 217 x 217 x 352.5 mm (w/h/d) (8 $^5/_8 \times 8$ $^5/_8 \times 14$ inches)

not incl. projecting parts and

controls

Mass Approx. 8.2 kg (18 lb 1 oz) not

incl. battery packs

Accessory supplied AC power cord (1)

Cable with an 8-pin connector (1)

(PVM-9045QM/9042QM only)
AC plug holders (1 set)
Tally plate (1) (PVM-9045QM/

9042QM only)

Design and specifications are subject to change without notice.

Pin Assignment

Y/C IN connector (4-pin mini DIN)



Pin No.	Signal	Description
1	Y-input	1 Vp-p, sync negative, 75 ohms
2	CHROMA sub-carrier-input	300 mVp-p (PAL), burst Delay time between Y and C: within 0 ±100 nsec., 75 ohms
3	GND for Y-input	GND
4	GND for CHROMA-input	GND

REMOTE connector (8-pin mini DIN)

(PVM-9045QM/9042QM only)



Pin No.	Signal
1	16:9
2	H/V delay
3	GND
4	EXT SYNC
5	Tally
6	Underscan
7	A/B or RGB/Y R-Y B-Y
8	LINE/RGB

Notes

- For remote control, connect the pin of the desired function to pin 3 (GND).
- For remote control, set the front button to OFF (the switch is out).

Trinitron. Color Video Monitor

Operating Instructions



3-865-341-**11** (1)



PVM-9045PM

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Dangerously high voltages are present inside the unit. Do not open the cabinet. Refer servicing to qualified personnel only.

THIS APPARATUS MUST BE EARTHED





This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



2 (US)

This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

For the customers in the USA

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

In the event of a malfunction or when maintenance is necessary, consult an authorized Sony dealer.

Ensure that your equipment is connected correctly.

If you are in any doubt consult a qualified electrician.

CAUTION:

Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Discard used batteries according to the manufacturer's instructions.

Precautions

On safety

- PVM-9045PM: Operate the unit on 120 V AC or 12 V DC. For the AC operation, use only the supplied AC power cord or the AC power adaptor recommended (not supplied). Do not use any other type. For the battery operation, use only the NP-1B battery pack and BP-L60A/L90A with DC-L10 (not supplied). Do not use any other batteries.
- Should any liquid or solid object fall into the cabinet, unplug the unit and have it checked by qualified personnel before operating it further.
- Unplug the unit from the wall outlet if it is not to be used for several days.
- To disconnect the AC power cord, pull it out by the plug. Never pull the cord itself.

On installation

- Allow adequate air circulation to prevent internal heat build-up. Do not place the unit on surfaces (rugs, blankets, etc.) or near materials (curtains, draperies) that may block the ventilation holes.
- Do not install the unit near heat sources such as radiators or air ducts, or in a place subject to direct sunlight, excessive dust, mechanical vibration or shock
- Keep the unit away from a loudspeaker or motor, as the picture may be affected.

On cleaning

Clean the unit with a slightly dampened soft cloth. Use a mild household detergent. Never use strong solvents such as thinner or benzine as they might damage the finish of the cabinet.

As a safety precaution, unplug the unit before cleaning it.

On repacking

Retain the original carton and packing materials for safe transport of this unit in the future.

If you have any questions about this unit, contact your authorized Sony dealer.

ATTENTION – When the product is installed in a rack:

a) Elevated operating ambient temperature

If installed in a closed or multi-unit rack assembly, the operating ambient temperature of the rack environment may be greater than room ambient. Therefore, consideration should be given to installing the equipment in an environment compatible with the manufacturer's maximum rated ambient temperature of 0 to +35°C (32 to 95°F) (Tmra).

b) Reduced air flow

Installation of the equipment in a rack should be such that the amount of air flow required for safe operation of the equipment is not compromised.

c) Mechanical loading

Mounting of the equipment in the rack should be such that a hazardous condition is not achieved due to uneven mechanical loading.

d) Circuit overloading

Consideration should be given to the connection of the equipment to the supply circuit and the effect that overloading of circuits might have on overcurrent protection and supply wiring. Appropriate consideration of equipment nameplate ratings should be used when addressing this concern.

e) Reliable earthing

Reliable earthing of rack-mounted equipment should be maintained. Particular attention should be given to supply connections other than direct connections to the branch circuit (e.g., use of power strips).

Table of Contents

Features	
Location and function of parts and controls	
Front	
Rear	
Power sources	10
Specifications	1 ²

Features

PAL-M and NTSC color systems available

The monitor can display PAL-M, NTSC signals. The appropriate color system is selected automatically.

HR (High Resolution) Trinitron® 1) picture tube

The HR Trinitron picture tube (0.25 mm aperture grill pitch) provides a high resolution picture. Horizontal resolution is more than 450 TV lines at the center of the picture.

Beam current feedback circuit

The built-in beam current feedback circuit assures stable white balance.

Comb filter

When NTSC video signals are received, a comb filter activates to increase the resolution, resulting fine picture detail without color spill or color noise.

Multiple input signals

In addition to the composite video signals and the Y/C signals, analog RGB signals and component signals can be input.

External sync input

When the EXT SYNC button is pressed, the monitor can be operated on the sync signal fed through an external sync connector.

Blue only picture

Black and white apparent picture consisting from only the blue signal will be displayed. This facilitates the "chroma" and "phase" adjustment, and the observation of the video noise.

16:9 selector

The monitor can display the 16:9 signal with the correct ratio of width and height, compressing the picture vertically.

Under scan mode

The monitor can display signals that are scanned outside the normal screen so you can monitor the whole image.

Audio circuit and built-in speaker

A speaker (0.5 W, monaural) is built into the monitor for sound monitoring.

Automatic/Manual DEGAUSS

The screen is automatically demagnetized when the monitor is turned on. Manual degauss is also available by pressing the DEGAUSS button.

Automatic termination

(only connectors marked ⟨¬¬¬)
The Y/C, VIDEO IN and EXT SYNC IN connectors are terminated at 75 ohms inside, when no cable is connected to the loop-through output connectors.
When a cable is connected to an output connector, the 75-ohm termination is automatically released.

EIA standard 19-inch rack mounting

By using an MB-507 mounting bracket (not supplied), the monitor can be mounted in an EIA standard 19-inch rack. For details on mounting, see the instruction manual of the MB-507.

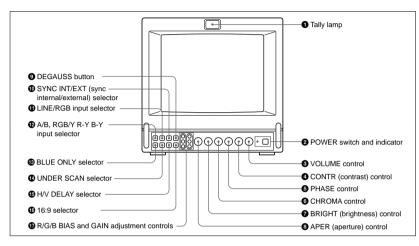
Varied power sources

In addition to AC power, you can use battery pack or external DC 12 V power. The monitor can operate with one or two Sony NP-1B* battery packs. If you use the DC-L10* battery adaptor, the monitor can operate with a Sony BP-L60A/L90A* lithium ion battery pack.

* The NP-1B battery pack, DC-L10 battery adaptor and BP-L60A/L90A battery pack are not supplied.

4 (us) 5 (us)

Front



1 Tally lamp

This indicator lights up. The tally control connection is needed.

For the pin assignment, see "Specificatons" on page 12 (US).

2 POWER switch and indicator

Depress to turn the monitor on. The indicator will light up in green.

The POWER indicator also functions as the battery indicator. When the internal battery becomes weak or the power supplied through the DC 12 V IN jack decreases, the indicator flashes.

VOLUME control

Turn this control clockwise or counterclockwise to obtain the desired volume.

4 CONTR (contrast) control

Turn clockwise to make the contrast stronger and counterclockwise to make it weaker.

6 PHASE control

This control is effective only for the NTSC and NTSC4.43 color systems. Turn clockwise to make the skin tones greenish and counterclockwise to make them purplish.

6 CHROMA control

Turn clockwise to make the colour intensity stronger and counterclockwise to make it weaker.

■ BRIGHT (brightness) control

Turn clockwise for more brightness and counterclockwise for less.

3 APER (aperture) control

Turn clockwise for more sharpness and counterclockwise for less.

Notes

- The PHASE, CHROMA and APER control settings have no effect on an analog RGB signal.
- The PHASE control has no effect on component signals.
- The PHASE control setting is effective only for the NTSC system.

9 DEGAUSS button

Press this button momentarily. The screen will be demagnetized.

Note

If you press the DEGAUSS button again too soon, the color shades may be uneven.

10 SYNC INT/EXT (sync internal/external) selector

Keep this button released (INT) to operate the monitor on the sync signal from the displayed composite video signal.

Depress this button (EXT) to operate the monitor on an external sync signal fed through the EXT SYNC connector on the rear panel.

1 LINE/RGB input selector

Select the programme to be monitored. Keep this button released (LINE) for a signal fed through the LINE A or LINE B connectors. Depress this button (RGB) for a signal fed through the RGB connectors.

② A/B, RGB/Y R-Y B-Y input selector When the LINE/RGB input selector is set to LINE.

keep this button released (A) for a signal fed through the LINE A connectors. Press this button (B) to monitor the signals from the LINE B connector.

When the LINE/RGB input selector is set to RGB,

select the RGB signal or the component signal which is fed through the RGB input connectors. Keep this button released (RGB) for the RGB signal. Press this button (Y R-Y B-Y) to monitor the component signals.

BLUE ONLY selector

Depress this button to turn off the red and green signals. A blue signal is displayed as an apparent monochrome picture on the screen. This facilitates "chroma" and "phase" control adjustments and the observation of video noise.

Note

The PHASE control adjustments is effective only for the NTSC system.

1 UNDER SCAN selector

Depress this button for underscanning. The display size is reduced by approximately 3% so that four corners of the picture are visible.

❸ H/V DELAY selector

Depress this button to observe the horizontal and vertical sync signals at the same time. The horizontal sync signal is displayed in the left quarter of the screen; the vertical sync signal is displayed near the center of the screen.

16:9 selector

Press this selector to monitor the signals of 16:9 picture

Pressing the UNDER SCAN selector **1** in 16:9 mode displays the whole 16:9 picture up to the four corners.

R/G/B BIAS and GAIN adjustment controls

Used for white balance fine adjustment.

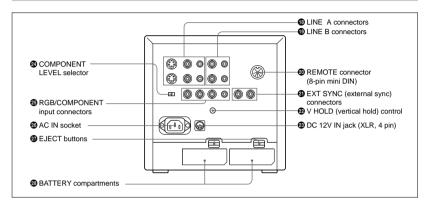
BIAS and GAIN controls are provided for the R (red), G (green) and B (blue) screens.

BIAS: Adjust the white balance and brightness of the screen at the lowlight.

GAIN: Adjust the white balance and brightness of the screen at the highlight.

Location and Function of Parts and Controls

Rear



LINE A connectors

- Y/C IN (4-pin mini DIN): Connect to the Y/C separate output of a video camera, VCR or other video equipment.
- Y/C OUT (4-pin mini DIN): Loop-through output of the Y/C IN connector. Connect to the Y/C separate input of a VCR or another monitor.
- VIDEO IN (BNC): Connect to the video output of a video camera, VCR or other video equipment.
- VIDEO OUT (BNC): Loop-through output of the VIDEO IN connector. Connect to the video input of a VCR or another monitor.
- **AUDIO IN (phono jack):** Connect to the audio output of a VCR or a microphone (through a suitable microphone amplifier).
- AUDIO OUT (phono jack): Loop-through output of the AUDIO IN connector. Connect to the audio input of a VCR or another monitor.

Note

The Y/C IN connector has a priority over the VIDEO IN connector.

When a plug is connected to the Y/C IN connector, the VIDEO IN connector is automatically disconnected.

To monitor the signal fed through these connectors, keep the LINE/RGB selector and the A/B, RGB/Y R-Y B-Y selector on the front panel released (LINE and A).

1 LINE B connectors

To monitor the signal fed through these connectors, keep the LINE/RGB selector released (LINE) and depress the A/B, RGB/Y R-Y B-Y selector on the front panel (R)

- VIDEO IN (BNC): Connect to the video output of a video camera, VCR or other video equipment.
- VIDEO OUT (BNC): Loop-through output of the VIDEO IN connector. Connect to the video input of a VCR or another monitor.
- AUDIO IN (phono jack): Connect to the audio output of a VCR or a microphone (through a suitable microphone amplifier).
- AUDIO OUT (phono jack): Loop-through output of the AUDIO IN connector. Connect to the audio input of a VCR or another monitor.

@ REMOTE connector (8-pin mini DIN)

Connect to the tally output of a control console, special-effect generator, etc. The tally lamp on the front panel will be turned on and off by the connected equipment. This connector can be used for connecting a remote controller.

For the pin assignment of this connector, see "Specifications" on page 12 (US).

2 EXT SYNC (external sync) connectors

- IN (BNC): When this monitor operates on an external sync signal, connect the reference signal from a sync generator to this connector. In this case, depress the SYNC INT/EXT selector on the front panel (EXT).
- OUT (BNC): Loop-through output of the EXT SYCN IN connector. Connect to the external sync input of video equipment to be synchronized with this monitor.

2 V HOLD (vertical hold) control

Turn to stabilize the picture if it rolls vertically.

3 DC 12V IN jack (XLR, 4 pin)

Connect the Sony battery adaptor DC-L10 (not supplied).

29 COMPONENT LEVEL selector

Select the component level from among two modes.

N10/SMPTE: for 100/0/100/0 signal

BETA 0: for 100/0/75/0 signal

25 RGB/COMPONENT input connectors

R/R-Y, G/Y, B/B-Y (BNC), AUDIO (phono):

To monitor a signal fed through these connectors, depress the LINE/RGB selector on the front panel (RGB). When the SYNC INT/EXT selector on the front paner is released (INT), the monitor operates on the sync signal from the G/Y channel.

To monitor the analog RGB signal

Connect to the analog RGB signal outputs of a video camera. Keep the A/B, RGB/Y R-Y B-Y selector on the front panel released (RGB).

To monitor the component signal

Connect to the R-Y/Y/B-Y component signal outputs of a Sony BetaCam video camera. Depress the A/B, RGB/Y R-Y B-Y selector on the front panel (Y R-Y B-Y).

2 AC IN socket

Connect the supplied AC power cord to this socket and to a wall outlet.

2 EJECT buttons

Press the EJECT button upwards to remove the battery pack.

3 BATTERY compartments

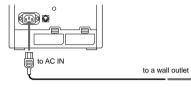
Insert the NP-1B battery pack (not supplied).

8 (us)

Power Sources

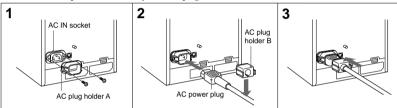
House Current (for all models)

Connect the supplied AC power cord to the AC IN socket and to a wall outlet.



When the AC power cord is plugged into the AC IN socket, the battery pack (if installed) or the AC power adaptor (if connected) is automatically disconnected.

To connect an AC power cord securely with AC plug holders.



- 1 Remove the AC IN socket screws and then use them to attach the AC plug holder A (supplied) to the AC IN socket.
- **2** Plug the power cord to the AC IN sokcet. Then, attach the supplied AC plug holder B on top of the AC power cord.

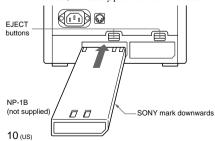
3 Slide AC plug holder B over the cord until is locks.

To remove the AC power cord

Pull out AC plug holder B by squeezing the left and right sides.

Rechargeable Battery

The monitor can operate with one or two battery packs. For extended use, two battery packs are recommended.



To remove the battery pack, press the EJECT button upwards.

For charging, use the BC-1WD for the NP-1B.

Note

Make sure you disconnect the cables connected to the connectors (AC IN, DC 12 V IN) at the rear of the monitor. Otherwise, the monitor cannot operate on the battery pack(s).

Specifications

Video signal

Color system PAL-M, NTSC Resolution 450 TV lines

 $\begin{array}{ll} \mbox{Aperture correction} & -4.0 \mbox{ dB to } +6.0 \mbox{ dB (at } 3.0 \mbox{ MHz)} \\ \mbox{Frequency response} & 6.0 \mbox{ MHz} (-3 \mbox{ dB) at all inputs} \\ \mbox{Synchronization} & \mbox{AFC time constant } 1.0 \mbox{ msec.} \end{array}$

Picture performance

Normal scan 6% over scan of CRT effective

screen area

Underscan 3% underscan of CRT effective

screen area

H. linearity Less than 5.0% (typical)
V. linearity Less than 5.0% (typical)
Convergence Central area: 0.43 mm (typical)

Peripheral area: 0.53 mm (typical)

Raster size stability H: 1.0%, V: 1.5%

High voltage regulation 3.0%

Color temperature D65

Inputs and Outputs

Inputs Y/C IN: 4-pin mini DIN

connector

See the pin assignment on page

12 (US).

VIDEO IN: BNC connector 1 Vp-p ± 6 dB, svnc negative

AUDIO IN: phono jack, -5 dBu^a),

less than 47 kohms R/R-Y, G/Y, B/B-Y: BNC

connector

R, G, B channels: 0.7 Vp-p,

± 6 dB Sync on green: 0.3 Vp-p,

negative,

R-Y, Y, B-Y channels: 0.7 Vp-p, ±6 dB (Standard colour bar

signal of 75% chrominance)
EXT SYNC IN: BNC connector

Composite sync 4 Vp-p, ±6 dB,

negative

Loop-through outputs

Y/C OUT: 4-pin mini DIN connector, 75 ohms terminated (75 ohms automatic termination) VIDEO OUT: BNC connector, 75 ohms terminated (75 ohms automatic termination) AUDIO OUT: phono jack

EXT SYNC OUT: BNC connector, 75 ohms terminated

Speaker output Output level 0.5 W Remote input REMOTE: 8-pin m

REMOTE: 8-pin mini DIN connctor (75 ohms automatic

termination)

See the pin assignment on page

12 (US).

a) 0 dBu = 0.775 Vr.m.s.

General

Power consumption & requirements

0.6 A 45 W MAX at 120 V AC

operation

3.7 A 38 W at 12 V DC operation

Operating conditions

Temperature 0 to +35°C (32 to 95°F) Humidity 0 to 90% (no condensation)

Pressure 700 to 1060 hPa

Transport and storage conditions

Temperature $-10 \text{ to } +40^{\circ}\text{C} \text{ (14 to } 104^{\circ}\text{F)}$

Humidity 0 to 90%

Pressure 700 to 1060 hPa Dimensions Approx. 217 x 2

Approx. 217 x 217 x 352.5 mm (w/h/d) $(8^{5}/8 \times 8^{5}/8 \times 14 \text{ inches})$

not incl. projecting parts and

controls

Mass Approx. 8.2 kg (18 lb 1 oz) not

incl. battery packs

Accessory supplied AC power cord (1)

Cable with an 8-pin connector (1)

AC plug holders (1 set)

Tally plate (1)

Design and specifications are subject to change without notice.

Specifications

Pin Assignment

Y/C IN connector (4-pin mini DIN)



Pin No.	Signal	Description
1	Y-input	1 Vp-p, sync negative, 75 ohms
2	CHROMA sub-carrier-input	300 mVp-p (PAL-M), 286 mVp-p (NTSC), burst Delay time between Y and C: within 0 ±100 nsec., 75 ohms
3	GND for Y-input	GND
4	GND for CHROMA-input	GND

REMOTE connector (8-pin mini DIN) (PVM-8045Q/8042Q only)

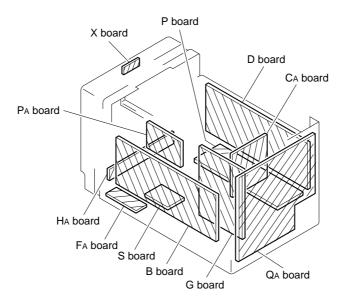


Pin No.	Signal
1	16:9
2	H/V delay
3	GND
4	EXT SYNC
5	Tally
6	Underscan
7	A/B or RGB/Y R-Y B-Y
8	LINE/RGB

- For remote control, connect the pin of the desired function to pin 3 (GND).
- For remote control, set the front button to OFF (the switch is out).

SECTION 2 SERVICE INFORMATION

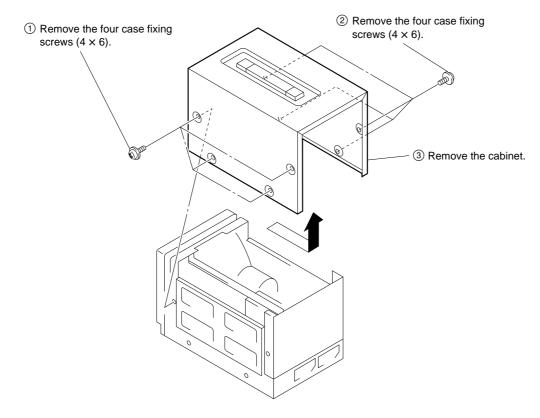
2-1. CIRCUIT BOARDS LOCATION



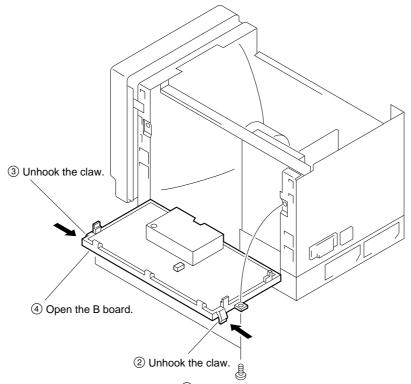
S MIC Chassis 2-1

2-2. DISASSEMBLY

2-2-1. Cabinet Removal



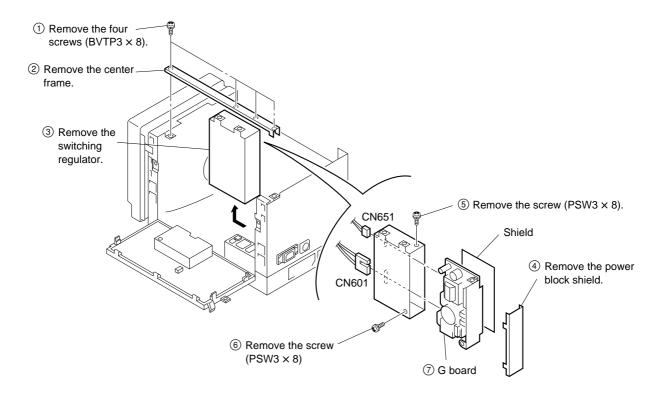
2-2-2. B Board Removal



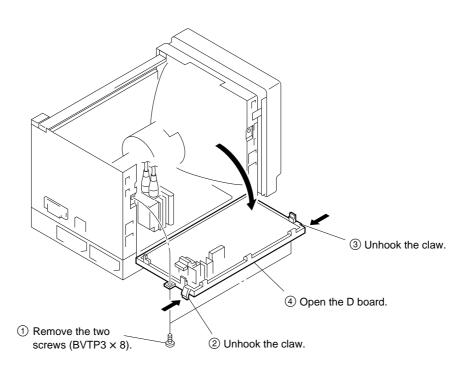
① Remove the two screws (BVTP3 \times 8).

2-2 S MIC Chassis

2-2-3. Switching Regulator Removal

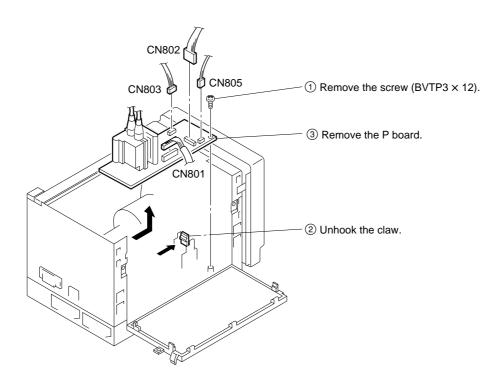


2-2-4. D Board Removal

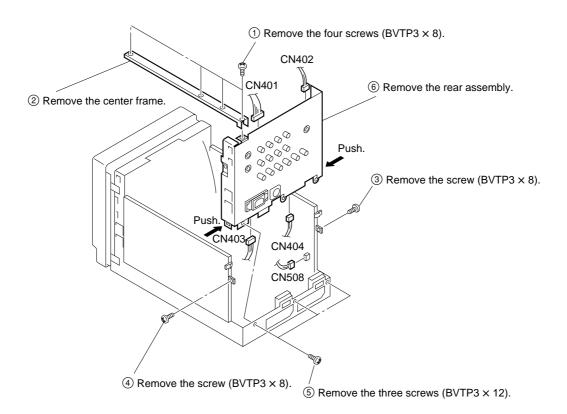


S MIC Chassis 2-3

2-2-5. P Board Removal

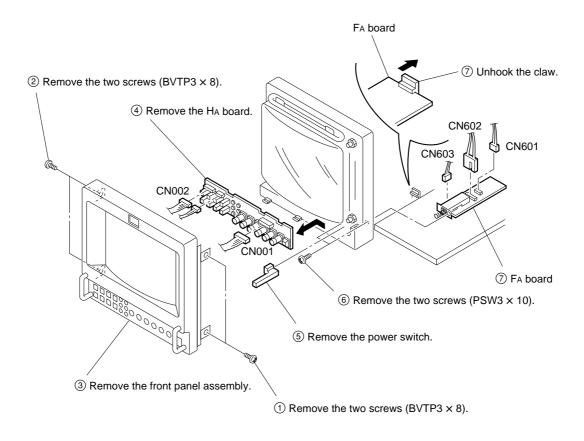


2-2-6. Rear Assembly Removal

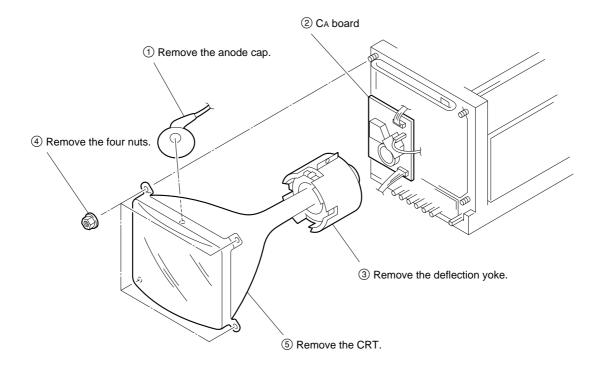


2-4 S MIC Chassis

2-2-7. HA Board Removal



2-2-8. CRT Removal



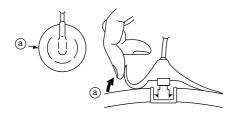
S MIC Chassis 2-5

2-2-9. Removal of Anode-cap

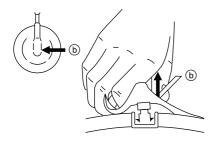
Note: Short circuit the anode of the picture tube and the anode cap to the metal chassis, picture tube shield or carbon painted on the picture tube, after removing the anode.

1. Removing Procedures

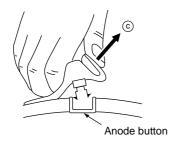
(1) Turn up one side of the rubber cap in the direction indicated by the arrow (a).



(2) Using a thumb pull up the rubber cap firmly in the direction indicated by the arrow **(b)**.



(3) When one side of the rubber cap is separated from the anode button, the anode-cap can be removed by turning up the rubber cap and pulling up it in the direction of the arrow ©.

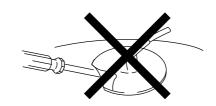


2. Handling Precautions

- (1) Don't hurt the surface of anode-caps with sharp shaped material!
- (2) Don't press the rubber hardly not to hurt inside of anode-caps!
 - A material fitting called as shatter-hook terminal is built in the rubber.
- (3) Don't turn the foot of rubber over hardly!

 The shatter-hook termianl will stick out or hurt the rubber.





2-6 S MIC Chassis

2-2-10. Equipment Required

• Oscilloscope Tektronix 2465 or equivalent (band width: 350 MHz or more)

• NTSC, PAL, PAL-M, SECAM component signal generator

Tektronix TG2000 + AVG1 (optional module) + AWVG1 (optional module) or equivalent

Monoscope signal generator
 Frequency counter
 Digital voltmeter
 Shibasoku TP22AX or equivalent
 Advantest TR5821AK or equivalent
 Advantest TR6845 or equivalent

• Variable step-up transformer (or NF power supply)

• High-tension meter

· Regulated DC power supply

• Ammeter

· Luminance meter

S MIC Chassis 2-7

SECTION 3 SET-UP ADJUSTMENTS

3-1. PREPARATIONS

The following adjustments should be made when a complete realignment is required or a new picture tube is installed. These adjustments should be performed with rated power supply voltage unless otherwise noted.

The controls and selectors below should be set as follows unless otherwise noted.

Front Panel Controls

VOLUME control	50 %
CONTR control	80 %
PHASE control	50 % (center click)
CHROMA control	50 % (center click)
BRIGHT control	50 % (center click)
APER control	50 % (center click)

Front Panel Selectors

SYNC INT/EXT selector	Pull (INT)
LINE/RGB selector	Pull (LINE)
A/B, RGB/Y R-Y B-Y selector	Pull (RGB)
BLUE ONLY selector	Pull (OFF)
UNDER SCAN selector	Pull (OFF)
H/V DELAY selector	Pull (OFF)
16:9 selector	Pull (4:3)

Rear Panel Control

V HOLD control Stable position

Perform the adjustment in order as follows:

- 3-2. Landing Adjustment
- 3-3. Convergence Adjustment
- 3-4. Focus Adjustment
- 3-5. White Balance Adjustment

3-2. LANDING ADJUSTMENT

3-2-1. Preparations

- 1. To reduce geomagnetism effects, face the CRT screen to the east or west.
- 2. Turn on the power switch, and erase the magnetic force using a degausser.

3-2-2. Landing Adjustment

1. Receive the white signal, and set the CONTR and BRIGHT controls as follows:

CONTR: MAXIMUM

BRIGHT: set easy to observe

- 2. Adjust the white balance, screen (G2) voltage, and convergence roughly.
- 3. Loosen the deflection yoke mounting screw, and set the purity control to the center as shown in Fig. 3-1.
- 4. Set the test signal generator to green.
- 5. Move the deflection yoke backward, and adjust the purity control so that the green is in the center and blue and red are at the sides, evenly. (See Fig. 3-2.)
- 6. Move the deflection yoke forward, and adjust so that the entire screen becomes green.(Repeat steps 4 to 7 as to red and blue.)
- 7. When the landing at the corners is not right, correct by using the magnet. (See Fig. 3-3.)

Note: When correction magnet is used, be sure to degauss the unit.

8. When the position of the deflection yoke is determined, tighten it with a deflection yoke mounting screw.

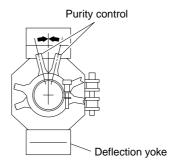


Fig. 3-1

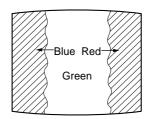


Fig. 3-2

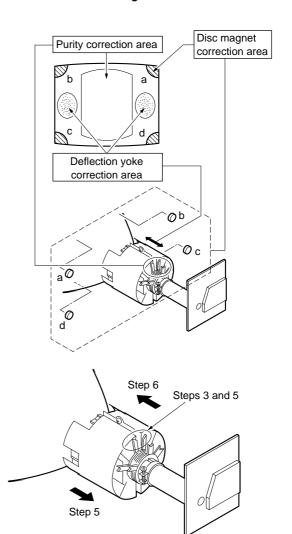


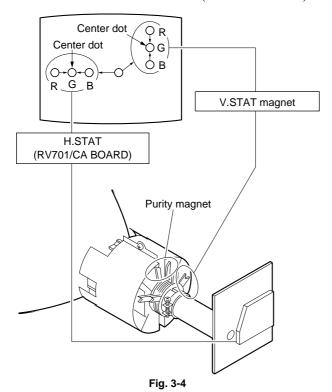
Fig. 3-3

3-2 S MIC Chassis

3-3. CONVERGENCE ADJUSTMENT

3-3-1. Horizontal and Vertical Convergence Adjustment on the Center of Screen

- Before starting the fine adjustment, perform V.SIZE, V.CENT, H.SIZE, H.CENT and screen distortion adjustments roughly.
- 2. Receive a dot signal, and set the BRIGHT control to minimum and CONTR control to normal.
- 3. Adjust RV701 (H.STAT) on the CA board to coincide rhe Red, Green, and Blue dots on the center of screen (horizontal movement).
- 4. Adjust V.STAT magnet to coincide the Red, Green, and Blue dots on the center of screen (vertical movement).



Note: If Red, Green, and Blue dots do not coincide on the center of screen with RV701 (H.STAT) on the CA board, perform adjustment using V.STAT magnet at the same time while tracking.

Tilt the V.STAT magnet and adjust static convergence to open or close the V.STAT magnet.

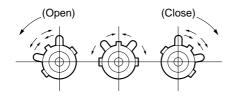
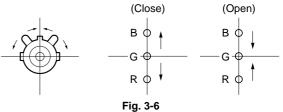


Fig. 3-5

- 5. The movement of Red, Green, and Blue dots by means of tilting, opening, and closing of the vertical static convergence magnet are as follows:
 - ① When opening or closing the V.STAT magnet:



2 When tilting the V.STAT magnet counterclockwise:

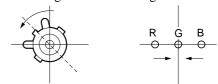


Fig. 3-7

③ When tilting the V.STAT magnet clockwise:

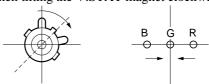
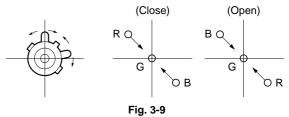


Fig. 3-8

4 When tilting the V.STAT magnet then open or close it:



Note: If Red and Green dots do not coincide with Blue dot, adjust with BMC (6-pole) magnet.

6. HMC/VMC correction with BMC (6-pole) magnet

1 HMC (Horizontal Misconvergence) correction and motion of the electron beam with BMC (6-pole) magnet:

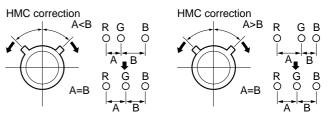
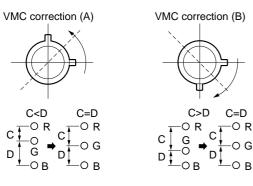


Fig. 3-10

2 VMC (Vertical Misconvergence) correction and motion of the electron beam with BMC (6-pole) magnet:



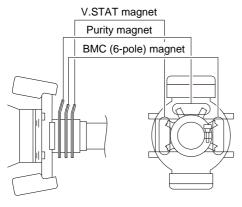


Fig. 3-11

0+0+0 B G R

RGB

DY spacer

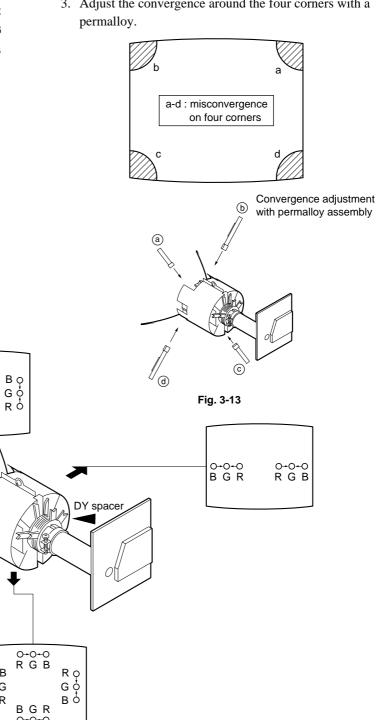
φ B φ G φ R

0 R 0 G 0 B

DY spacer

3-3-2. Horizontal and Vertical Dynamic **Convergence Adjustment in the** Vicinity of Screen

- 1. When there is misconvergence at the sides of the screen, adjust the inclination of deflection yoke in accordance with the following steps.
- 2. Insert the three DY spacers between the deflection yoke and picture tube's funnel as shown in Fig. 3-12.
- 3. Adjust the convergence around the four corners with a



0+0+0 R G B

0+0+0 B G R

3-4. FOCUS ADJUSTMENT

- 1. Receive the monoscope signal.
- 2. Set the CONTR control to normal.
- 3. Adjust the FOCUS control of the FBT so that the focus at the center of CRT screen and around the CRT screen become optimum.

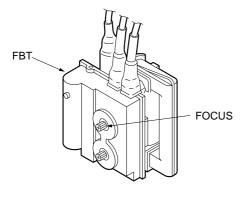


Fig. 3-14

3-5. WHITE BALANCE ADJUSTMENT

3-5-1. Screen Voltage Adjustment

- 1. Receive the dot signal.
- 2. Connect a digital voltmeter to pin 5 (KG) of CRT socket. Adjust RV119 (G C/O) on the B board so that the voltage is 103 Vdc.
- 3. Connect a digital voltmeter to pin 9 (KB) of CRT socket. Adjust RV121 (B C/O) on the B board so that the voltage is 103 Vdc.
- 4. Adjust the SCREEN control of the FBT to the position where just before the flyback line disappears from the CRT screen.

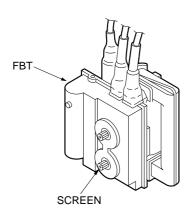


Fig. 3-15

3-5-2. White Balance Adjustment

- 1. Receive the color bars signal. (Set the BURST switch of the test signal generator to OFF.)
- 2. Set the following controls on the front panel as follows:

BRIGHT \Longrightarrow Center click CONTR \Longrightarrow Minimum BIAS (Front panel) \Longrightarrow 50 % \Longrightarrow 50 %

3. Adjust RV118 (SUB BRT) on the B board so that the blue stripe portion on the color bars signal is bright dimly.

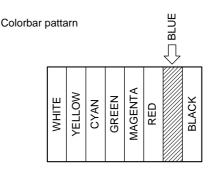


Fig. 3-16

- 4. Receive the white signal. (Set the BURST switch of the test signal generator to OFF.)
- 5. Set the CONTR control to 90 degrees clockwise from the center position.
- 6. Using the luminance meter, adjust the luminance level of the CRT screen so that it is 3 Nit. (Screen is bright dimly.)
- 7. Adjust the white balance of the cut-off with RV119 (G C/O) and RV121 (B C/O) on the B board.
- 8. Set the luminance level of white signal to 100 IRE with test signal generator.
- 9. Adjust the white balance of the high-light with RV120 (G GAIN) and RV122 (B GAIN) on the B board.
- 10. Press the BLUE ONLY switch on the front panel.
- 11. Adjust the white balance of the high-light with RV124 (R GAIN/BL) and RV125 (G GAIN/BL) on the B board.
- 12. Using the luminance meter, adjust the luminance level on the CRT screen with test signal generator so that it is 8 Nit. Then confirm that the white balance is adjusted correctly.

SECTION 4 SAFETY RELATED ADJUSTMENTS

The "4-1. B+ Voltage Check" and "4-2. Note: Protection Circuit (Hold-down circuit) Check" should always be performed when replacing the following components marked with M and **■** on the schematic diagram.

D board

components RV833, RV1603

☐ components C519, C843, C844, C845, C846, C847, C848, C1601, C1602, D835, D836, D1601, D1603, IC502, Q833, Q834, Q835, Q836, Q1601, Q1602, Q1603, R523, R850, R851, R852, R853, R854, R855, R856, R857, R858, R859, R860, R861, R862, R863, R1601, R1602, R1603, R1604, R1605, R1606, R1607, R1608, R1628, R1629, R1630, RV833, RV1601, RV1603

G board

☑ components RV651

 □ components C654, IC601, IC651, PH601, R653, R655, R656, R657, RV651

P board

4-1. B+ VOLTAGE CHECK

4-1-1. B+ Voltage Check in AC Operation

Note: Be sure to use the NF power supply. If not, use an ordinary variable step-up transformer of its distortion factor is 3 % or less.

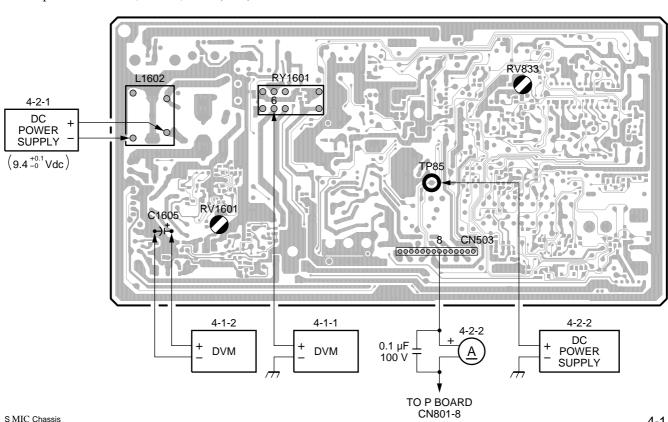
Input signal: Dot pattern signal Controls: BRIGHT ⇒ Minimum CONTR ⇒ Minimum

- 1. Input 130^{+5}_{-0} Vac from the NF power supply (or variable step-up transformer of its distortion factor is 3 % or less).
- 2. Connect the digital voltmeter to pin 6 of RY1601 and ground on the D board.
- 3. Make sure that the voltage is within the following specification.

Specification:

RY1601 Pin-6 (D board) = 41.9 Vdc or less

4. If the above voltage is out of specification, adjust voltage with RV651 on the G board. After adjusting, be sure to apply paint to RV651.



4-1-2. B+ Voltage Check in DC Operation

Input signal: Dot pattern signal

Controls: BRIGHT ⇒ Minimum

CONTR ⇒ Minimum

1. Input 12 ± 0.4 Vdc from the regulated DC power supply

to DC 12V IN.

2. Connect the digital voltmeter to plus (+) terminal of C1605 and ground on the D board.

3. Make sure that the voltage is within the following specification.

Specification:

C1605 plus terminal (D board) = 40 ± 0.1 Vdc or less

4. If the above voltage is out of specification, adjust voltage with RV1601 on the D board. After adjusting, be sure to apply paint to RV1601.

4-2. PROTECTION CIRCUIT (HOLD-DOWN CIRCUIT) CHECK

4-2-1. Shutdown Voltage Adjustment

Input signal: Dot pattern signal
Controls: BRIGHT ⇒ Minimum

CONTR ⇒ Minimum

- 1. Turn RV1602 on the D board and stops where the protection circuit doesn't shut down.
- 2. Apply voltage of 9.4 ± 0.1 Vdc from the DC power supply between pin 5 of L1602 and ground on the D board.
- 3. Turn on the power.
- 4. Gradually turn RV1602 on the D board and stops where the shutdown circuit works.

4-2-2. Protection Circuit Operation Check

Input signal: Dot pattern signal Controls: BRIGHT \Longrightarrow Minimum CONTR \Longrightarrow Minimum

 Connect (+) side of ammeter to pin 8 of CN503 on the D board and (-) side to pin 8 of CN801 on the P board.

Note: Connect film capacitor of 0.1 μ F/100 V in parallel to the ammeter.

2. Adjust BRIGHT and CONTR controls of the front panel so that the reading (IABL) on the ammeter becomes the following specification.

Specification: IABL = $160 \pm 30 \mu A$

- Apply 18.4 ±0.1 Vdc from the regulated DC power supply to TP85 (or pin 6 of CN503) on the D board. Adjust RV833 on the D board so that the protection circuit works.
- Apply 17.6 ±0.1 Vdc from the regulated DC power supply to TP85 (or pin 6 of CN503) on the D board.
 Specification: Protection circuit becomes inoperative.
- 5. Input the all white signal from the test signal generator.
- 6. Adjust BRIGHT and CONTR controls of the front panel so that the reading (IABL) on the ammeter becomes the following specification.

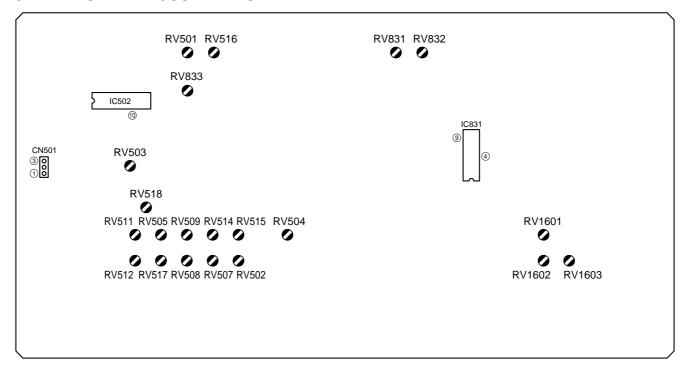
Specification: IABL = $520 \pm 30 \mu A$

- Apply 17.7 ±0.1 Vdc from the regulated DC power supply to TP85 (or pin 6 of CN503) on the D board.
 Specification: Protection circuit becomes operative.
- Apply 16.9 ±0.1 Vdc from the regulated DC power supply to TP85 (or pin 6 of CN503) on the D board.
 Specification: Protection circuit becomes inoperative.
- 9. After the completion of steps 2 to 9, be sure to apply paint to RV833.

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SECTION 5 CIRCUIT ADJUSTMENTS

5-1. D BOARD ADJUSTMENTS



D Board Adjusting Components Location

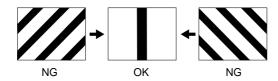
5-1-1. Horizontal Oscillating Frequency Adjustment (RV503)

Input signal: Monoscope signal

- 1. Connect (+) side of electrolytic capacitor of 0.1 μ F/100 V to pin 1 of CN501 (or pin 1 of IC502) and (-) side to pin 3 of CN501 (or ground).
- Connect a frequency counter to pin 10 of IC502. Adjust RV503 (H.FREQ) so that the frequency reading becomes the following specification.

Specification: Frequecy = $15.734 \text{ kHz} \pm 50 \text{ Hz}$

3. If the frequency counter is not available, adjust RV503 so that a horizontal-hold becomes stable.



5-1-2. Video Phase Adjustment (RV512, RV516, RV502)

Input signal: Monoscope signal

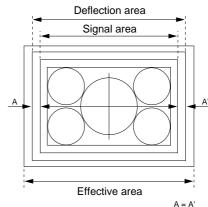
Switches: UNDER SCAN ⇒ Push (ON)

 $16:9 \Rightarrow Pull (4:3)$

Controls: BRIGHT ⇒ Maximum

- 1. Adjust RV512 (U/H.SIZE) so that the white frame of monoscope signal is visible on the CRT screen.
- 2. Adjust RV516 (H.BLKG) so that the entire deflection area is visible on the CRT screen.
- Turn RV502 (VIDEO PHASE) and make sure that the video phase is moving smoothly. Adjust RV502 so that the monoscope signal comes in the center of the signal area.

 Deflection area



5-1-3. Vertical Blanking Adjustment (RV501)

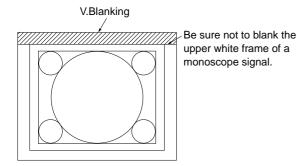
Input signal: Monoscope signal

Switches: UNDER SCAN \Rightarrow Push (ON)

16:9 ⇒ Pull (4:3)

Controls: BRIGHT ⇒ Maximum

1. Adjust RV501 (V.BLKG) so that the upper white frame of monoscope signal is not blanked.



5-1-4. Horizontal Blanking Adjustment (RV516)

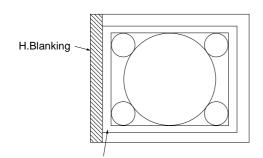
Input signal: Monoscope signal

Switches: UNDER SCAN \Rightarrow Push (ON)

 $16:9 \Rightarrow Pull (4:3)$

Controls: BRIGHT ⇒ Maximum

1. Adjust RV516 (H.BLKG) so that the left white frame of monoscope signal is not blanked.



Be sure not to blank the left white frame of a monoscope signal.

5-1-5. Vertical Deflection System Adjustment (RV505, RV507, RV504, RV518)

Input signal: Monoscope signal

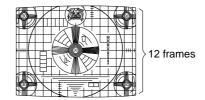
Switches: UNDER SCAN \Rightarrow Pull (OFF)

 $16:9 \Rightarrow Pull (4:3)$

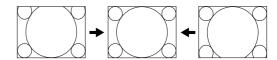
Controls: BRIGHT ⇒ 50 % (Center click)

CONTR ⇒ 70 %

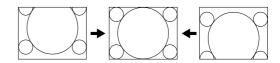
1. Adjust RV505 (V.SIZE) so that the vertical size of monoscope signal on the CRT screen is 12 frames.



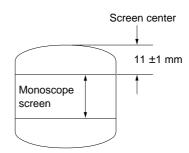
2. Adjust the vertical linearity with RV507 (V.LINE).



3. Adjust the vertical position with RV504 (V.CENT).



- 4. Press the UNDER SCAN switch of the front panel.
- 5. Press the 16: 9 switch of the front panel.
- 6. Adjust the vertical size with RV518 (16:9 V.SIZE).



5-2 S MIC Chassis

5-1-6. Horizontal Deflection System Adjustment (RV508, RV509, RV511, RV514, RV515, and RV801/P Board)

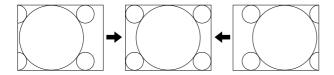
Input signal: Monoscope signal

Switches: UNDER SCAN ⇒ Pull (OFF)

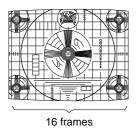
Controls: BRIGHT ⇒ 50 % (Center click)

CONTR ⇒ 70 %

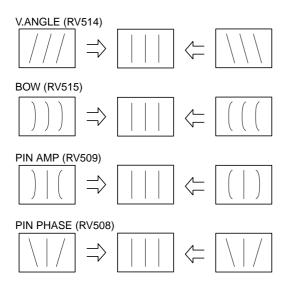
1. Adjust the horizontal position with RV801 (H.CENT).



2. Adjust RV511 (H.SIZE) so that the horizontal size of monoscope signal on the CRT screen is 16 frames.



3. While adjusting vertical angular and bow distortions with RV514 (V.ANG) and RV515 (BOW), adjust RV509 (PIN AMP) and RV508 (PIN PHASE) so that the vertical lines become straight.



4. Adjust RV511 (H.SIZE) so that the horizontal size of monoscope signal on the CRT screen is 16 frames.

5-1-7. Under Scan Adjustment (RV517, RV512)

Input signal: Monoscope signal

Switches: UNDER SCAN \Rightarrow Push (ON)

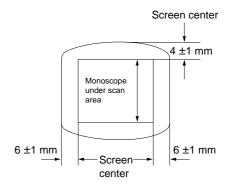
16:9 ⇒ Pull (4:3)

Controls: BRIGHT ⇒ 50 % (Center click)

CONTR \Rightarrow 70 %

1. Adjust the horizontal size and vertical size with RV517 (U/V.SIZE) and RV512 (U/H.SIZE) as shown below.

Note: Be careful not to wane four corners.



5-1-8. Horizontal/Vertical Delay Adjustment (RV832, RV831)

Input signal: Monoscope signal

Switches: UNDER SCAN \Rightarrow Push (ON)

 $16:9 \Rightarrow Pull (4:3)$

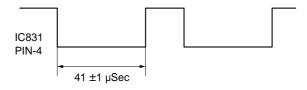
Controls: BRIGHT ⇒ 50 % (Center click)

CONTR \Rightarrow 70 %

1. Connect an oscilloscope to pin 4 of IC831.

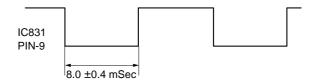
2. Horizontal Delay Adjustment (RV832)

Adjust the pulse width with RV832 as shown below.



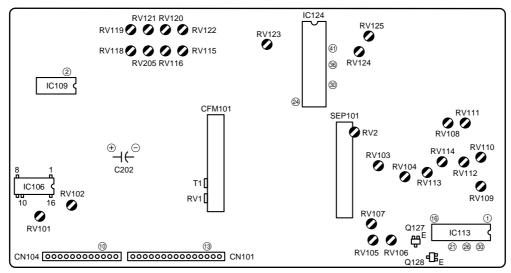
- 3. Connect an oscilloscope to pin 9 of IC831.
- 4. Vertical Delay Adjustment (RV831)

Adjust the pulse width with RV831 as shown below.



S MIC Chassis 5-3

5-2. B BOARD ADJUSTMENTS



B Board Adjusting Components Location

5-2-1. Primary Color Matrix Adjustment (1) (RV115)

Input signal: Component color bars signal

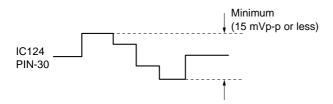
(75 % chroma color bars signal)

Switches: UNDER SCAN ⇒ Pull (OFF)

16:9 \Longrightarrow Pull (4:3) SYNC INT/EXT \Longrightarrow EXT

LINE/RGB ⇒ RGB

- 1. Supply a sync signal from the test signal generator to EXT SYNC IN connector of the rear panel.
- Supply Y signal and R-Y signal from the test signal generator to RGB/COMPONENT connector of the rear panel.
- 3. Connect an oscilloscope to pin 30 (B OUT) of IC124.
- 4. Adjust RV115 (SUB HUE) to minimize (15 mVp-p or less) the B signal level.



5-2-2. Primary Color Matrix Adjustment (2) (RV116, RV123)

Input signal: Component color bars signal

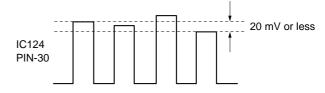
(75 % chroma color bars signal)

Switches: UNDER SCAN ⇒ Pull (OFF)

16:9 \Rightarrow Pull (4:3) SYNC INT/EXT \Rightarrow INT

LINE/RGB ⇒ RGB

- 1. Supply Y, R-Y, and B-Y signals from the test signal generator to RGB/COMPONENT connectors.
- 2. Connect an oscilloscope to pin 30 (B OUT) of IC124.
- 3. Adjust RV116 (SUB COL) to minimize each peak level (20 mVp-p or less). Adjust so that the 1st and the 4th peaks should have the same level.

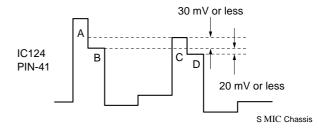


- 4. Connect an oscilloscope to pin 41 (R OUT) of IC124.
- 5. Adjust RV123 (MATRIX R-Y) so that the level difference of R signal is shown below.

Specification:

Level difference of B and D = Minimum (20 mV or less)

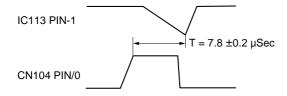
Level difference of B and C = Minimum (30 mV or less)



5-2-3. Burst Gate Pulse Width Adjustment (RV109)

- 1. Connect an oscilloscope to pin 10 (COMP SYNC) of CN104 and pin 1 (BGP GEN) of IC113.
- 2. Adjust the pulse width (T) with RV109 (BGP WIDTH) as shown below.

Specification: $T = 7.8 \pm 0.2 \mu sec$



5-2-4. NTSC Subcarrier Frequency Adjustment (RV1400)

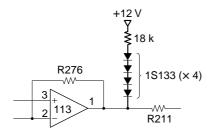
Input signal: NTSC Color bars signal (LINE A/VIDEO IN)

Switches: UNDER SCAN \Rightarrow Pull (OFF) 16:9 \Rightarrow Pull (4:3)

 $\begin{array}{ll} \text{SYNC INT/EXT} & \Longrightarrow \text{INT} \\ \text{LINE/RGB} & \Longrightarrow \text{LINE} \end{array}$

- 1. Apply +5 V to pin 26 of IC113 via 4.7 k Ω resistor.
- 2. Connect pin 2 of IC109 to ground.
- 3. Connect the following circuit to pin 1 of IC113.

Part Required



- 4. Connect the frequency counter to pin 21 of IC113.
- 5. Adjust the frequency with RV1400 (3.58 F0). **Specification:** $F0 = 3,579,545 \pm 20$ Hz

5-2-5. PAL Subcarrier Frequency Adjustment (RV1401)

Input signal: PAL Color bars signal (LINE A/VIDEO IN)

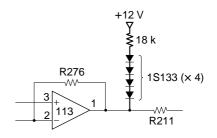
Switches: UNDER SCAN \Longrightarrow Pull (OFF) 16:9 \Longrightarrow Pull (4:3)

SYNC INT/EXT \Longrightarrow INT

LINE/RGB \Longrightarrow LINE

- 1. Apply +5 V to pin 26 of IC113 via 4.7 k Ω resistor.
- 2. Connect pin 2 of IC109 to +12 V line.
- 3. Connect the following circuit to pin 1 of IC113.

Part Required



- 4. Connect the frequency counter to pin 21 of IC113.
- 5. Adjust the frequency with RV1401 (4.43 F0). **Specification:** F0 = $4,433,619 \pm 20$ Hz

5-2-6. NTSC Comb Filter Adjustment (RV1, T1/CFM101)

Input signal: NTSC Color bars signal (LINE A/VIDEO IN)

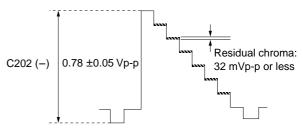
Switches: UNDER SCAN \implies Pull (OFF) 16:9 \implies Pull (4:3) SYNC INT/EXT \implies INT LINE/RGB \implies LINE

 Connect an oscilloscope to minus (-) terminal of capacitor C202, and confirm the Y and residual chroma levels.

Specification:

Y level = 0.78 ± 0.05 Vp-p Residual chroma level = 32 mVp-p or less

2. If the residual chroma level is out of specification, adjust RV1 and T1 alternately so that it is minimum.



5-2-7. NTSC 3.58 MHz Color Demodulation (B-Y) Adjustment (RV114, RV111)

Input signal: 3.58 MHz NTSC 75 % Color bars signal

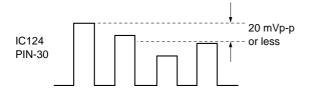
(Set Y and B-Y of test signal generator to off.)

Switches: SYNC INT/EXT \Rightarrow INT

LINE/RGB

⇒ LINE

- 1. Connect an oscilloscope to emitter of Q128.
- Adjust RV114 (3.58 NTSC HUE) so that the level other than the burst portion is flat (Voltage difference = 10 mV or less).
- 3. Set Y and B-Y of test signal generator to on.
- 4. Connect an oscilloscope to pin 30 of IC124.
- Adjust RV111 (3.58 NTSC COL) so that the level difference of B signal is minimum (20 mVp-p or less).
 Adjust so that the 1st and the 4th peaks should have the same level.



5-2-8. NTSC 3.58 MHz Color Demodulation (R-Y) Adjustment (RV104, RV107)

Input signal: 3.58 MHz NTSC 75 % Color bars signal

(Set Y and R-Y of test signal generator to off.)

Switches: SYNC INT/EXT ⇒ INT

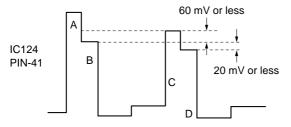
LINE/RGB

⇒ LINE

- 1. Connect an oscilloscope to emitter of Q127.
- 2. Adjust RV104 (3.58 NTSC SHIFT) so that the R level is flat (Voltage difference = ± 15 mV or less).
- 3. Set Y and R-Y of test signal generator to on.
- 4. Connect an oscilloscope to pin 41 of IC124.
- 5. Adjust RV107 (3.58 NTSC COL) so that the level difference of R signal is minimum.

Specification:

Level difference of B and D = Minimum (20 mV or less) Level difference of B and C = Minimum (60 mV or less)



6. After adjustment, perform section "5-2-7. NTSC 3.58 MHz Color Demodulation (B-Y) Adjustment" again.

5-2-9. NTSC 4.43 MHz Color Demodulation Adjustment (RV108, RV112)

Input signal: 4.43 MHz NTSC 75 % Color bars signal

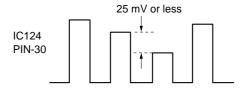
(Set Y and B-Y of test signal generator to off.)

Switches: SYNC INT/EXT ⇒ INT

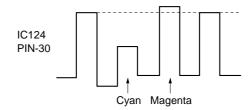
LINE/RGB

⇒ LINE

- 1. Connect an oscilloscope to pin 30 of IC124.
- 2. Adjust RV108 (4.43 NTSC COL) so that the level is flat (Voltage difference = 25 mV or less).



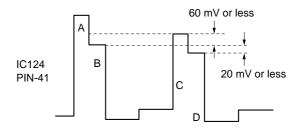
3. If cyan and magenta levels are different, adjust RV112 (4.43 NTSC HUE) and RV108 (4.43 NTSC COL) alternately.



- 4. Connect an oscilloscope to emitter of Q127.
- 5. Adjust RV103 (4.43 NTSC SHIFT) so that the R level is flat (Voltage difference = ± 15 mV or less).
- 6. Connect an oscilloscope to pin 41 of IC124.
- 7. Adjust RV106 (4.43 NTSC COL) so that the level difference of R signal is minimum.

Specification:

Level difference of B and D = Minimum (20 mV or less) Level difference of B and C = Minimum (60 mV or less)



8. After adjustment, readjust from steps 1 to 7.

5-6 S MIC Chassis

5-2-10. PAL Color Demodulation Adjustment (RV113, RV2/SEP101, RV110, RV105)

Input signal: PAL Special Color bars signal

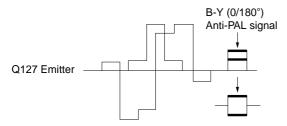
PAL Color bars signal

Switches: SYNC INT/EXT ⇒ INT

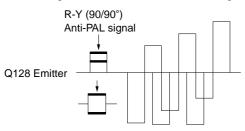
LINE/RGB

⇒ LINE

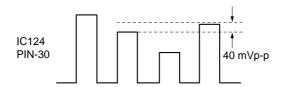
- 1. Connect an oscilloscope to emitter of Q127.
- 2. Adjust RV113 (PAL HUE) so that the B-Y (0/180°) anti-PAL signal on the R-Y demodulated signal is flat.



- 3. Connect an oscilloscope to emitter of Q128.
- 4. Adjust RV2 on the SEP101 so that the R-Y (90/90°) anti-PAL signal on the B-Y demodulated signal is flat.



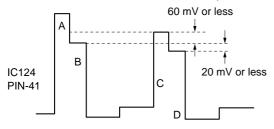
- 5. Turn CHROMA control of the front panel maximum clockwise, and make sure of no color is visible at the anti-PAL signal portion on the CRT screen.
- 6. Input the PAL color bars signal.
- 7. Connect an oscilloscope to pin 30 of IC124.
- 8. Adjust RV110 (PAL COL) to minimize each peak level.



- 9. Connect an oscilloscope to pin 41 of IC124.
- 10. Adjust RV105 (PAL COL) so that the level difference of R signal is minimum.

Specification:

Level difference of B and D = Minimum (20 mV or less) Level difference of B and C = Minimum (60 mV or less)



11. After adjustment, readjust from steps 7 to 10.

5-2-11. Sub-Sharpness Adjustment (RV205)

Input signal: Sweep signal

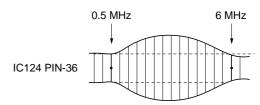
Bandwidth: 10 MHz or more (flat)

Burst: OFF Composite Sync: ON

Switches: SYNC INT/EXT \Rightarrow INT

LINE/RGB \Rightarrow LINE

- 1. Connect an oscilloscope to pin 36 of IC124.
- Adjust RV205 (SUB SHARP) so that the 0.5 MHz and 6 MHz portions of the sweep signal is equal level (0 ±0.5 dB).



5-2-12. Chroma H Pulse Adjustment (RV101, RV102)

Input signal: SECAM Color Bars signal Switches: SYNC INT/EXT \Longrightarrow INT LINE/RGB \Longrightarrow LINE

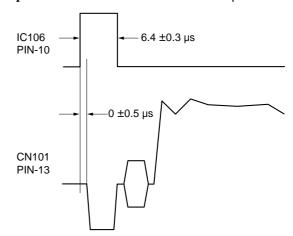
- 1. Connect an oscilloscope to pin 10 of IC106 and pin 13 of CN101.
- 2. Adjust RV101 (PULSE WIDTH) so that the pulse width is shown in the following specification.

Specification: Pulse width = $6.4 \pm 0.3 \mu s$

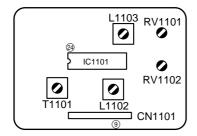
Note: No adjustment is required for the PAL-M model.

3. Adjust RV102 (PULSE POSI) so that the phase difference of H sync to chroma H pulse is shown in the following specification.

Specification: Phase difference = $0 \pm 0.5 \mu s$



5-3. S BOARD ADJUSTMENTS



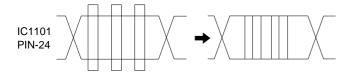
S Board Adjusting Components Location

5-3-1. SECAM Bell Filter Adjustment (T1101)

Input signal: SECAM color bars signal
Switches: SYNC INT/EXT ⇒ INT
LINE/RGB ⇒ LINE

1. Connect an oscilloscope to pin 24 of IC1101.

2. Adjust T1101 (BELL FILTER) so that the envelope of chroma signal is flat.

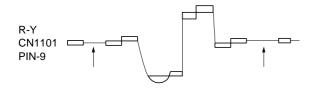


5-3-2. SECAM Color Balance Adjustment (L1102, L1103)

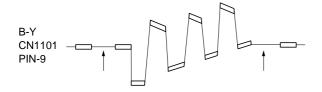
Input signal: SECAM color bars signal
Switches: SYNC INT/EXT ⇒ INT
LINE/RGB ⇒ LINE

1. Connect an oscilloscope to pin 9 of CN1101.

2. Adjust L1102 so that no chroma component (no colored) portions of R-Y signal is flat.



3. Adjust L1103 so that no chroma component (no colored) portions of B-Y signal is flat.

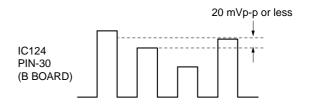


5-3-3. SECAM Demodulation Level Adjustment (RV1101, RV1102)

Input signal: SECAM color bars signal
Switches: SYNC INT/EXT ⇒ INT
LINE/RGB ⇒ LINE

1. Connect an oscilloscope to pin 30 of IC124 on the B board.

 Adjust RV1101 (SECAM COL) so that the peak level difference of B signal is minimum (20 mVp-p or less).
 Adjust so that the 1st and the 4th peaks should have the same level.

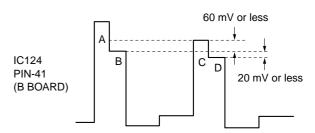


3. Connect an oscilloscope to pin 41 of IC124 on the B board.

4. Adjust RV1102 (SECAM R-Y) so that the level difference of R signal is minimum.

Specification:

Level difference of B and D = Minimum (20 mV or less) Level difference of B and C = Minimum (60 mV or less)



5-8 S MIC Chassis

SECTION 6 SEMICONDUCTORS

AN5265



BA10393F-E2 MM1111XFBE MM1113XBE MM1114XFBE TC4W53F



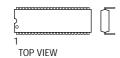
BU4011BF-E2 MC14066BF BU4070BF-E2 BU4584BF-E2



BU4053BCF TC4052BFHB



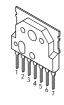
CXA1478S



CX23025



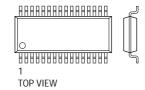
LA7830



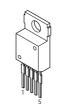
LM358D



M51279FP



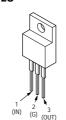
MC14538BF



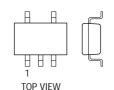
MM1113XFBE



TA7805S TA7812S



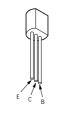
TC4S01F TC4S11F TC4S81F



UPC1377



2SA1091-0 2SC2551-0



2SA1162-G 2SC1623-L5L6 DTA144EK DTC124EK DTC144EK-T147 DTC144EKA-T146



2SC2334-L 2SD1134-C 2SD835



2SC2555-2



2SC2611 2SX2688-LK



2SC2958-L 2SD774-34



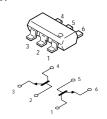
2SD1615A-GP



2SK94-X2X3X4 2SK94-X4



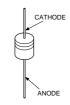
IMH2 IMX1



1S2836



1SS119-25 RD3.6ESB1 RD5.6ESB2 RD8.2ESB3



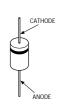
1SS184



1SS226



1SS83 EGP20G EL1Z GP08D



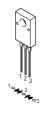
1SV230TPH3 DTZ-TT11-5.6A DTZ15B DTZ20B DTZ24B DTZ8.2B MA111



CR02AM-4TB



D10C4M



ERC81-004



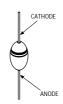
RD6.2M-B1



SEL3810DLC05 SLP281C-50



V11N



SECTION 7 EXPLODED VIEWS

NOTE:

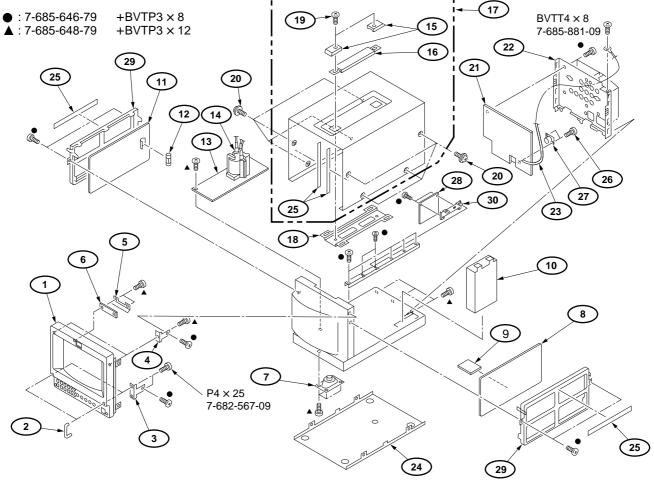
• Items with no part number and no description are not stocked because they are seldom required for routine service.

7-1. CHASSIS

• The construction parts of an assembled part are indicated with a collation number in the remark column.

 Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items. The components identified by mark \triangle are critical for safety. Replace only with part number specified.

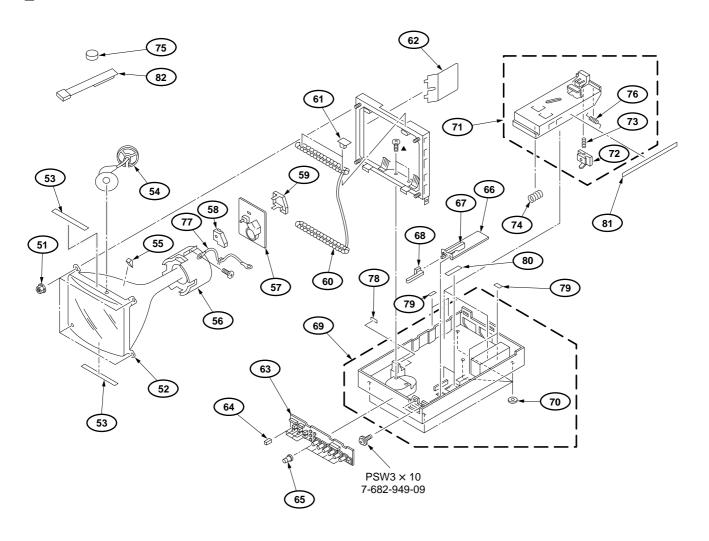
Les composants identifies par une marque \triangle sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.



Ref.No	o. Part No.	Description Re	mark	Ref.No.	Part No.	Description	Remark
1	X-4036-091-1	BEZEL ASSY		13	A-1195-146-A	P BOARD, COMPLETE	
		(PVM-8045Q, 9045QM, 904	5PM)	14 🛭	1-439-526-11	TRANSFORMER ASSY, FLYBAC	K
1	X-4036-092-1	BEZEL ASSY (PVM-8042Q, 9042QM)		15	4-034-847-01	HANDLE (BASE)	
2	4-037-569-01	HANDLE, PROTECTOR					
3	* 4-034-845-01	BRACKET (L), BEZEL		16	3-419-372-31	HANDLE	
4	* 4-034-846-01	BRACKET (Ú), BEZEL		17	X-4030-165-7	CABINET ASSY 1	15, 16, 19
				18	X-4030-273-1	REINFORCEMENT ASSY, HANDI	LE
5	* 4-035-388-01	PLATE, LIGHT INTERCEPTION		19	4-035-452-01	SCREW (M4X10)	
6	* 1-641-724-12	X BOARD		20	4-034-834-01	SCREW (CLAW) (4X6), CASE	
7	1-505-375-11	SPEAKER (4X7CM)					
8	* A-1135-964-A	B BOARD, COMPLETE		21	^c A-1275-162-A	QA BOARD, COMPLETE	
		(PVM-8042Q, 80)45Q)	22	4-034-864-81	CHASSIS, R	
8	* A-1135-977-A	B BOARD, COMPLETE		23	1-555-724-00	WIRE, GROUND	
		(PVM-9042QM, 904				(PVM-8042Q, 8045Q,	9045PM)
8	* A-1135-981-A	B BOARD, COMPLETE (PVM-9045PM	M)	23	1-941-913-02	CORE, ASSY, FERRITE	
						(PVM-9042QM, 9045PM,	9045QM)
9	* A-1394-917-A	S BOARD, COMPLETE		24	4-034-870-02	CABINET, BOTTOM	
10 .	1-413-720-21 1	SWITCHING REGULATOR					
		(SOPS-102	1 (A))		4-035-691-01	CLOTH, VIBRATION PROOF	
11	* A-1346-787-A	D BOARD, COMPLETE		26	4-035-802-01	SCREW (M2.6X6)	
		(PVM-8042Q, 8045Q, 9042QM, 9045Q		27	1-900-157-02	CONNECTOR ASSY, MICRO 5P	
11	* A-1346-806-A	D BOARD, COMPLETE (PVM-9045PM	M)	28	^k A-1190-333-A	PA MOUNT	
12 .	1-532-747-11 1	FUSE, GLASS TUBE (5.0A/125V)		29	* X-4030-274-1	FRAME ASSY, PWB	
		(PVM-8042Q, 8045Q, 904	5PM)				
				30	4-067-394-01	HOLDER, PA PWB	
12 .	1-576-232-11	FUSE (H.B.C) (5.0A/250V)					
		(PVM-9042QM, 904	5QM)				

7-2. PICTURE TUBE

▲: 7-685-648-79 +BVTP3 × 12



Ref.N	o. Part No.	Description Remark	Ref.No	o. Part No.	Description Remark
51	4-304-511-00	NUT (M5), FLANGE	66	* A-1241-070-A	MOUNTED PWB, FA
52	△ 8-737-154-05	PICTURE TUBE SD-167			(PVM-9042QM, 9045QM)
		(PVM-8042Q, 9042Q)	67	1-692-049-11	SWITCH, PUSH (AC POWER) (1 KEY)
52	1 8-737-651-05	PICTURE TUBE 09FX			(3A/250V) (PVM-8042Q, 8045Q, 9045PM)
		(PVM-8045Q, 9045PM)	67	1-692-050-11	SWITCH, PUSH (AC POWER) 5A/250V
53	4-035-332-01	CLOTH, PROTECTION			(PVM-8042QM, 9045QM)
54	* 4-034-856-01	HOLDER, HV CABLE			
			68	4-034-841-11	BUTTON, POWER SWITCH
55	4-309-369-00	SPACER, DEFLECTION YOKE	69	* X-4036-112-2	CHASSIS ASSY, BOTTOM
56	1-451-319-22	DEFLECTION YOKE (Y9FXC)	70	4-034-840-01	RUBBER, FOOT
57	* A-1331-183-B	CA BOARD, COMPLETE	71	* X-4030-163-1	GUIDE ASSY, BATTERY
58	* 4-376-133-11	COVER (MAIN), CV VOL	72	4-034-861-01	KNOB, BATTERY
59	* 4-376-132-11	COVER (REAR LID), CV VOL			
			73	4-876-347-01	SPRING, COMPRESSION
60	△ 1-416-882-11	COIL, DEMAGNETIC	74	3-669-594-00	SPRING, COMPRESSION
61	4-380-534-01	CAP, DGC	75	* 1-452-884-11	MAGNET
62	* 4-034-850-01	INSULATOR	76	* 3-669-592-00	SPRING (A), TORSION
63	* A-1372-542-A	HA BOARD, COMPLETE	77	1-923-511-84	WIRE UL1007 AWG18 110MM BLK
64	4-034-849-01	SWITCH (SMALL), PUSH			
			78	* 4-036-047-02	RUBBER, VIBRATION PROOF
65	4-043-802-02	KNOB, CONTROL	79	3-839-640-00	CUSHION
66	* A-1241-055-A	MOUNTED PWB, FA	80	3-831-441-11	CUSHION (F)
		(PVM-8042Q, 8045Q, 9045PM)	81	* 4-035-691-01	CLOTH, VIBRATION PROOF
			82	4-051-735-22	PIECE A (75), CONV. CORRECT

7-2 S MIC Chassis

SECTION 8 ELECTRICAL PARTS LIST

NOTE:

The components identified by mark \triangle are critical for safety. Replace only with part number specified.

Les composants identifies par une marque ∆ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

RESISTORS

- · All resistors are in ohms
- · F: nonflammable

When indicating parts by reference number, please include the board name.

- CAPACITORS PF: μμ F
- There are some cases the reference number on one board overlaps on the other board. Therefore, when ordering parts by the reference number, please include the board name.
- The components identified by

 in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation.

Should replacement be required, replace only with the value originally used.



Ref.No.	Part No.	Description		Remark	Ref.No.	Part No.	Description			Remark
	* A-1135-964-A	B BOARD, COMPLETE			C142	1-163-031-11	CERAMIC CHIP	0.01uF		50V
	71 1100 004 71			Q, 8045Q)	C143		CERAMIC CHIP		5%	50V
	* A 1125 077 A	B BOARD, COMPLETE		a, 6045Q)	C143				5%	50V
	A-1133-311-A	· ·		0045014)	C144 C145		CERAMIC CHIP			
	* A 110E 001 A			9045QM)			CERAMIC CHIP		5%	50V
	* A-1135-981-A	B BOARD, COMPLETE			C146	1-126-157-11	ELECT	10μF	20%	16V
					C147		CERAMIC CHIP	0.01μF	10%	50V
	<band pass<="" td=""><td>FILTER></td><td></td><td></td><td>C148</td><td>1-126-160-11</td><td>ELECT</td><td>1μF</td><td>20%</td><td>50V</td></band>	FILTER>			C148	1-126-160-11	ELECT	1μF	20%	50V
					C149		CERAMIC CHIP	0.012μF	10%	50V
		FILTER, BAND PASS			C150	1-124-589-11	ELECT	47μF	20%	16V
		FILTER, BAND PASS (P'	VM-9045	PM)	C151	1-163-131-00	CERAMIC CHIP	390PF	5%	50V
BPF102	1-236-364-11	FILTER, BAND PASS								
		(PVM-8042Q, 8045Q, 9	042QM,	9045QM)	C152		CERAMIC CHIP		5%	50V
					C153		CERAMIC CHIP		5%	50V
					C154		CERAMIC CHIP		50V	
	<capacitor< td=""><td>?></td><td></td><td></td><td>C155</td><td></td><td>CERAMIC CHIP</td><td></td><td>5%</td><td>50V</td></capacitor<>	?>			C155		CERAMIC CHIP		5%	50V
					C156	1-164-299-11	CERAMIC CHIP	0.22μF	10%	25V
C101	1-124-589-11	•	20%	16V						
C102		CERAMIC CHIP 0.01μF		50V	C157	1-163-229-11	CERAMIC CHIP		5%	50V
C103	1-126-157-11	•	20%	16V			(PVM-8042Q, 8	8045Q, 904	42QM,	9045QM)
C104	1-163-031-11	CERAMIC CHIP 0.01μF		50V	C158	1-104-664-11	ELECT	47μF	20%	16V
		(PVM-8042Q, 8045Q, 9	042QM,	9045QM)	C159	1-163-229-11	CERAMIC CHIP	12PF	5%	50V
C105	1-163-031-11	CERAMIC CHIP 0.01μF		50V	C160	1-163-229-11	CERAMIC CHIP	12PF	5%	50V
		(PVM-8042Q, 8045Q, 9	042QM,	9045QM)	C161	1-124-902-00	ELECT	0.47μF	20%	50V
C106	1-104-664-11	•	20%	16V	C162	1-124-903-11		1μF	20%	50V
C107		CERAMIC CHIP 0.01μF		50V	C163		CERAMIC CHIP		10%	25V
C108	1-104-664-11	•	20%	16V	C164		CERAMIC CHIP	•	10%	25V
C109	1-104-664-11	•	20%	16V	C165		CERAMIC CHIP		10%	50V
C110	1-104-666-11	ELECT 220μF	20%	16V	C166	1-163-031-11	CERAMIC CHIP	0.01μF		50V
		0=54440 0445 044								
C111		CERAMIC CHIP 0.01μF		50V	C167	1-104-664-11		47μF	20%	16V
C112		CERAMIC CHIP 0.01μF		50V	C168		CERAMIC CHIP	•		50V
C113		CERAMIC CHIP 0.01μF		50V	C169		CERAMIC CHIP		5%	50V
C114	1-104-664-11		20%	16V	C170		CERAMIC CHIP		5%	50V
C115	1-163-031-11	CERAMIC CHIP 0.01µF		50V	C171	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
		(PVM-8042Q, 8045Q, 9	0042QM,	9045QM)	0		0=5.1.00 01.05			
					C172		CERAMIC CHIP		5%	50V
C116	1-124-589-11	•	20%	16V	C173	1-124-589-11	-	47μF	20%	16V
C117	1-124-589-11	•	20%	6.3V	C174	1-104-664-11		47μF	20%	16V
C118	1-124-589-11		20%	6.3V	C175	1-104-987-11		0.001μF	5%	50V
C119		CERAMIC CHIP 0.01µF	000/	50V	C176	1-163-031-11	CERAMIC CHIP	0.01μF		50V
C120	1-124-589-11	ELECT 47μF	20%	6.3V	0477	4 400 004 44	CEDAMIC CLUD	0.04		50)/
0404	4 404 500 44	FLECT 47F	000/	C 2) /	C177		CERAMIC CHIP			50V
C121	1-124-589-11		20%		C178		CERAMIC CHIP		000/	50V
C122	1-104-664-11	·	20%	16V	C179	1-126-160-11		1μF	20%	50V
C123		CERAMIC CHIP 0.01µF		50V	C180		CERAMIC CHIP	•	000/	50V
C124 C125		CERAMIC CHIP 0.01µF	200/	50V	C181	1-124-589-11	ELECT	47μF	20%	6.3V
G120	1-124-589-11	ELECT 47μF	20%	6.3V	C182	1-124-259-11	FLECT	4.7μF	20%	16V
C126	1-163-031-11	CERAMIC CHIP 0.01µF		50V	C182		CERAMIC CHIP		10%	50V
C126	1-124-589-11	·	20%	6.3V	C183		CERAMIC CHIP		10 /0	50V 50V
C127	1-124-589-11	•	20%	6.3V	C185		CERAMIC CHIP			50V 50V
C128		CERAMIC CHIP 0.01µF	2070	50V	C186		CERAMIC CHIP	•	5%	50V
C129		CERAMIC CHIP 0.01µF		50V	C 100	1-103-233-11	CERAINIC CI III	101 1	J /0	30 V
J 100	. 100 001-11	υ ο ο ο ο ο ο ο ο ο ο ο ο ο ο ο ο ο ο ο		00 V	C187	1-163-031-11	CERAMIC CHIP	0.01uF		50V
C131	1-163-031-11	CERAMIC CHIP 0.01µF		50V	C188		CERAMIC CHIP			50V
C132	1-124-589-11	•	20%	16V	C189		CERAMIC CHIP	•		50V
C133	1-124-589-11	•	20%	16V	C190		CERAMIC CHIP		5%	50V
C134		CERAMIC CHIP 0.001µF		50V	0.00	. 100 121-00	(PVM-8042Q, 8			
J.0-	. 100 270 11	(PVM-8042Q, 8045Q, 9			C192	1-163-031-11	CERAMIC CHIP		 .,	50V
C135	1-163-113-00	CERAMIC CHIP 68PF	5%	50V	0.02	. 100 001 11	22.00 01111	υ.υ ιμι		50.
2.00	55 . 16 00	(PVM-8042Q, 8045Q, 9			C193	1-124-589-11	ELECT	47μF	20%	16V
		, 50 i=a, 00 i0a, 0			2.00		(PVM-8042Q, 8			
C137	1-163-249-11	CERAMIC CHIP 82PF	5%	50V	C194	1-124-589-11	,	47μF	20%	16V
C138	1-124-589-11		20%	16V	C195	1-124-589-11		47μF	20%	16V
C139		CERAMIC CHIP 0.01µF	/ 0	50V	C196	1-124-589-11		47μF	20%	16V
C140		CERAMIC CHIP 0.001µF	5%	50V	C197	1-124-589-11		47μF	20%	16V
C141		CERAMIC CHIP 0.001µF		50V	-		(PVM-8042Q, 8			
							,	,	- ,	,

8-2 S MIC Chassis



Ref.No.	Part No.	Description			Remark	Ref.No.	Part No.	Description			Remark
C400	4 404 500 44	FLECT	47F	200/	401/	0000	4 404 405 00	FLEOT	0.47.5	000/	
C198	1-124-589-11		47μF	20%	16V	C260	1-124-465-00	ELECT	0.47μF	20%	50V
C199	1-124-589-11		47μF	20%	16V	_			_		
C202	1-124-589-11		47μF	20%	16V	C261	1-137-193-11		0.39μF	5%	50V
C203	1-124-589-11	ELECT	47μF	20%	16V	C262	1-124-465-00	ELECT	0.47μF	20%	50V
C204	1-124-589-11	ELECT	47μF	20%	16V	C264	1-163-123-00	CERAMIC CHIP	180PF	5%	50V
			•			C265	1-163-129-00	CERAMIC CHIP	330PF	5%	50V
C205	1-163-101-00	CERAMIC CHIP	22PF	5%	50V	C266	1-107-714-11		10μF	20%	16V
C205		CERAMIC CHIP		10%	25V	0200	1-107-714-11	LLLOI	ιομι	2070	10 V
						0007	4 407 744 44	FLEOT	40 5	000/	40)/
C207		CERAMIC CHIP	•	10%	25V	C267	1-107-714-11		10μF	20%	16V
C208		CERAMIC CHIP		5%	50V	C268	1-104-664-11		47μF_	20%	16V
C209	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V	C269	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
						C270	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
C210	1-124-589-11	ELECT	47μF	20%	16V	C271	1-163-809-11	CERAMIC CHIP	0.047μF	10%	25V
C211	1-124-589-11	ELECT	47μF	20%	16V				•		
C212	1-124-589-11		47μF	20%	16V	C272	1-163-120-00	CERAMIC CHIP	330PF	5%	50V
			•		16V						
C213	1-124-589-11		47μF	20%		C273		CERAMIC CHIP		5%	50V
C214	1-126-157-11	ELECT	10μF	20%	16V	C274	1-104-664-11		47μF	20%	16V
						C275		CERAMIC CHIP		5%	50V
C215	1-126-157-11	ELECT	10μF	20%	16V	C277	1-163-097-00	CERAMIC CHIP	15PF	5%	50V
C216	1-126-157-11	ELECT	10μF	20%	16V						
C217		CERAMIC CHIP	0.01uF		50V	C278	1-163-809-11	CERAMIC CHIP	0.047uF	10%	25V
C218		CERAMIC CHIP		10%	25V	C279	1-126-157-11		10μF	20%	16V
			•					-	•		
C219	1-163-009-11	CERAMIC CHIP	0.001μF	10%	50V	C280		CERAMIC CHIP		5%	50V
						C281		CERAMIC CHIP			50V
C220		CERAMIC CHIP	0.01μF		50V	C282	1-163-031-11	CERAMIC CHIP	0.01μF		50V
C221	1-124-903-11	ELECT	1μF	20%	50V						
C222	1-163-093-00	CERAMIC CHIP	10PF	5%	50V	C283	1-163-031-11	CERAMIC CHIP	0.01μF		50V
C223	1-163-031-11	CERAMIC CHIP	0.01uF		50V	C299	1-163-031-11	CERAMIC CHIP	0.01uF		50V
C225	1-104-664-11		47μF	20%	16V	C300	1-126-157-11		10μF	20%	16V
0220	1-104-004-11	LLLOI	+1 μι	2070	101	C300		CERAMIC CHIP	•	10%	25V
0000	4 400 004 44	OFFIAMIO OLUP	0.04 5		501/				•		
C226		CERAMIC CHIP			50V	C302	1-124-589-11	ELECT	47μF	20%	16V
C227		CERAMIC CHIP	•		25V						
C228	1-163-986-00	CERAMIC CHIP	0.027μF	10%	25V	C303	1-126-157-11	ELECT	10μF	20%	16V
C229	1-163-031-11	CERAMIC CHIP	0.01μF		50V	C304	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C230	1-163-038-91	CERAMIC CHIP	0.1μF		25V	C305	1-117-378-11	FILM	1μF	5%	50V
			•			C306		CERAMIC CHIP		5%	50V
C231	1-163-086-00	CERAMIC CHIP	0.027uE	10%	25V	C307		CERAMIC CHIP			50V
C232		CERAMIC CHIP	•	10 /0	50V	C301	1-103-143-00	CENAIVIIC CI IIF	0.00 ι ομι	J /0	30 V
			•			0000	4 404 004 44	0504440 0140		400/	05) (
C233		CERAMIC CHIP	•		50V	C308	1-164-004-11	CERAMIC CHIP	•	10%	25V
C234		CERAMIC CHIP			25V			(PVM-8042Q,			9045QM)
C235	1-163-986-00	CERAMIC CHIP	0.027μF	10%	25V	C309	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
								(PVM-8042Q,	8045Q, 90	42QM,	9045QM)
C236	1-163-031-11	CERAMIC CHIP	0.01uF		50V	C310	1-164-004-11	CERAMIC CHIP		10%	25V ´
C237		CERAMIC CHIP	•		50V	00.0		(PVM-8042Q,			-
_		CERAMIC CHIP	• -	10%	25V	C312	1 162 021 11	CERAMIC CHIP		12 QIVI,	50V
C238									•	- 0/	
C239		CERAMIC CHIP	•	10%	25V	C313	1-163-115-00	CERAMIC CHIP	82PF	5%	50V
C240	1-163-809-11	CERAMIC CHIP	0.047μF	10%	25V						
						C314	1-126-157-11	ELECT	10μF	20%	16V
C241	1-163-809-11	CERAMIC CHIP	0.047μF	10%	25V	C315	1-164-299-11	CERAMIC CHIP	0.22μF	10%	25V
C242	1-163-113-00	CERAMIC CHIP	68PF	5%	50V	C316	1-126-157-11	ELECT	10μF	20%	16V
C243	1-163-031-11	CERAMIC CHIP	0.01uF		50V	C317	1-163-031-11	CERAMIC CHIP	0.01uF		50V
C244		CERAMIC CHIP	•	5%	50V	C318		CERAMIC CHIP		5%	50V
		CERAMIC CHIP				0310	1-103-093-00	CENAIVIIC CI IIF	1255	J /0	30 V
C245	1-163-105-00	CERAIVIIC CHIP	SSPF	5%	50V	0040	4 400 005 00	OFDAMIO OLUB	4005	5 0/	50)/
_			_			C319		CERAMIC CHIP		5%	50V
C246	1-163-809-11	CERAMIC CHIP	0.047μF	10%	25V	C320	1-163-095-00	CERAMIC CHIP	12PF	5%	50V
C247	1-163-809-11	CERAMIC CHIP	0.047μF	10%	25V	C321	1-163-121-00	CERAMIC CHIP	150PF	5%	50V
C248	1-163-809-11	CERAMIC CHIP	0.047μF	10%	25V	C322	1-163-121-00	CERAMIC CHIP	150PF	5%	50V
C249	1-104-665-11	ELECT	100μF	20%	16V	C324		CERAMIC CHIP		5%	50V
C250		CERAMIC CHIP	•		50V	0021	1 100 110 00	OLIU IIVIIO OI III	12011	070	001
0200	1 103 017 00	OLIVAIVIIO OI III	0.00+1μι	1070	30 V	C240	1 162 205 00	CEDAMIC CLUD	0.004	E0/	E0\/
COE4	1 110 204 44	MVLAD	0.4	100/	2001/	C340		CERAMIC CHIP		5%	50V
C251	1-110-364-11		0.1μF	10%	200V	C344		CERAMIC CHIP		0.25PF	
C252	1-107-638-11		33μF	20%	160V	C345		CERAMIC CHIP		5%	50V
C253	1-104-664-11		47μF	20%	16V	C346	1-163-109-00	CERAMIC CHIP	47PF	5%	50V
C254	1-163-031-11	CERAMIC CHIP	0.01μF		50V	C347	1-163-109-00	CERAMIC CHIP	47PF	5%	50V
C255	1-104-664-11		47μF	20%	16V					•	
						C1293	1-163-110-00	CERAMIC CHIP	120PF	5%	50V
C256	1-163-120 00	CERAMIC CHIP	330DE	5%	50V	C1293		CERAMIC CHIP		5%	50V
C257		CERAMIC CHIP		5%	50V	C1295		CERAMIC CHIP		5%	50V
C258		CERAMIC CHIP		5%	50V	C1296		CERAMIC CHIP		5%	50V
C259	1-163-031-11	CERAMIC CHIP	0.01μF		50V	C1297	1-163-103-00	CERAMIC CHIP	27PF	5%	50V



Ref.No.	Part No.	Description			Remark	Ref.No.	Part No.	Description	Remark
C1298	1-163-113-00	CERAMIC CHIP	68PF	5%	50V	D125	8-719-404-49	DIODE MA111	
C1299		CERAMIC CHIP		5%	50V	D126		DIODE MA111	
C1300	1-126-160-11		1μF	20%	50V	D127		DIODE MA111	
C1301	1-126-160-11		1μF	20%	50V				
C1302	1-126-160-11		1μF	20%	50V	D128	8-719-801-78	DIODE 1SS184	
						D129		DIODE MA111	
C1303	1-126-160-11	ELECT	1μF	20%	50V	D130		DIODE 1SS226	
C1400	1-163-141-00	CERAMIC CHIP	0.001μF	5%	50V	D131	8-719-800-76	DIODE 1SS226	
C1401	1-163-141-00	CERAMIC CHIP	0.001μF	5%	50V	D132	8-719-800-76	DIODE 1SS226	
C1402	1-163-031-11	CERAMIC CHIP	0.01μF		50V				
C1403	1-163-021-91	CERAMIC CHIP	0.01μF	10%	50V	D133	8-719-404-49	DIODE MA111	
			·			D134	8-719-404-49	DIODE MA111	
C1404	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V	D135	8-719-404-49	DIODE MA111	
						D136	8-719-404-49	DIODE MA111	
						D137	8-719-404-49	DIODE MA111	
	<filter></filter>								
						D138	8-719-404-49	DIODE MA111	
CFM101	1-464-880-11	FILTER BLOCK,	COM (CF	B-2)		D139	8-719-404-49	DIODE MA111	
						D144	8-719-404-49	DIODE MA111	
						D145	8-719-404-49	DIODE MA111	
	<connecto< td=""><td>R></td><td></td><td></td><td></td><td>D146</td><td>8-719-404-49</td><td>DIODE MA111</td><td></td></connecto<>	R>				D146	8-719-404-49	DIODE MA111	
CN101	1-506-480-11	PIN, CONNECTO	OR 15P			D147	8-719-404-49	DIODE MA111	
CN102 *	1-564-506-11	PLUG, CONNEC	CTOR 3P			D148	8-719-404-49	DIODE MA111	
CN103 *	1-565-503-11	CONNECTOR, E	BOARD TO	D BOAF	RD 12P	D149	8-719-404-49	DIODE MA111	
		(PVM-8042Q, 8	8045Q, 90	42QM,	9045QM)	D150	8-719-404-49	DIODE MA111	
CN104 *	1-564-011-11	PIN, CONNECTO	OR 12P			D151	8-719-404-49	DIODE MA111	
CN105 *	1-564-509-11	PLUG, CONNEC	CTOR 6P						
						D152	8-719-404-49	DIODE MA111	
CN106	1-506-473-11	PIN, CONNECTO	OR 8P			D153	8-719-977-20	DIODE DTZ8.2B	
CN107		PIN, CONNECTO				D154	8-719-404-49	DIODE MA111	
CN108 *	1-564-506-11	PLUG, CONNEC	CTOR 3P			D155	8-719-404-49	DIODE MA111	
						D156	8-719-404-49	DIODE MA111	
	<trap modu<="" td=""><td>JLE></td><td></td><td></td><td></td><td>D157</td><td></td><td>DIODE 1SS83</td><td></td></trap>	JLE>				D157		DIODE 1SS83	
						D158		DIODE 1SS83	
CTR101	1-236-366-11	MODULE, TRAP				D159		DIODE 1SS83	
		(PVM-8042Q, 8			9045QM)	D160		DIODE MA111	
		MODULE, TRAP		45PM)		D161	8-719-404-49	DIODE MA111	
CTR102	1-236-365-11	MODULE, TRAP							
		(PVM-8042Q, 8	3045Q, 90	42QM,	9045QM)	D162		DIODE MA111	
						D170		DIODE MA111	
	DIODE					D185	8-719-104-34	DIODE 1S2836	
	<diode></diode>					D400	0.740.004.70		5Q, 9042QM, 9045QM)
D.100	0.740.404.40	DIODE MAAAA	D) // 4 00 45	-D.A.		D186	8-719-801-78	DIODE 1SS184	
D102		DIODE MA111 (I	PVIVI-9045	PIVI)		D407	0.740.000.70	,	5Q, 9042QM, 9045QM)
D103		DIODE MA111				D187	8-719-800-76	DIODE 1SS226	
D104		DIODE MA111				D400	0.740.000.70	DIODE 400000	
D105	6-7 19-404-49	DIODE MA111 (PVM-8042Q, 8	00450 00	42 0 M	0045014)	D188		DIODE 188226	
D406	0.710.404.40	DIODE MA111	5045Q, 90	42QIVI,	9045QIVI)	D191		DIODE MAAAA	
D106	6-7 19-404-49	DIODE MATTI				D285		DIODE MA111	
D107	9 710 404 40	DIODE MA111				D289 D341		DIODE MA111 DIODE MA111	
D107		DIODE MA111				D341	0-7 19-404-49	DIODE MATTI	
D100	0-7 19-404-49	(PVM-8042Q, 8	20450 00	420M	0045014)	D342	0 710 104 24	DIODE 1S2836	
D109	9 710 404 40	DIODE MA111	3043Q, 90	42QIVI,	9043QIVI)	D342	0-7 19-104-34		5Q, 9042QM, 9045QM)
D109		DIODE MA111				D343	9 710 900 76	DIODE 1SS226	id, 9042Qivi, 9043Qivi)
D110		DIODE MA111				D343		DIODE RD6.2M-B1	
DIII	0-7 13-404-43	DIODE WATT				D344	0-7 19-103-99		5Q, 9042QM, 9045QM)
D112	9 710 404 40	DIODE MA111				D345	9 710 001 92	DIODE 1SS83	Q, 9042QIVI, 9045QIVI)
D112		DIODE MA111				D345		DIODE 1SS83	
D113		DIODE MA111				D346	0-7 19-901-03	DIODE 19909	
טווט	0-7 13-404 - 49	(PVM-8042Q, 8	R045∩ 0∩	420M	90450141	D347	8-710-001-82	DIODE 1SS83	
D117	8-710-404-40	DIODE MA111	JU4JW, 80	→∠WIVI,	JUTJUIVI)	D347 D348		DIODE 188226	
D117		DIODE MA111				D346 D349		DIODE 188226	
D120 D121		DIODE MA111				D349 D350		DIODE 188226	
ובו	J-113-404-49	(PVM-8042Q, 8	R045∩ 0∩	420M	90450141	D390		DIODE 188226	
		(1 V 1VI OUTZQ, C	JU-7UW, JU	،د سالاا,	JU-JUWIVI)	D390	J-1 19-000-10		5Q, 9042QM, 9045QM)
D122	8-719-404-49	DIODE MA111						(1 VIVI 0072Q, 0040	-a, ou-zaivi, ou-ouivi)
D123		DIODE MA111				D393	8-719-404-49	DIODE MA111	
,	2 .30						2		



Ref.No.	Part No.	Description Remark	Ref.No.	Part No.	Description	Remark
D1400 D1401		DIODE 1SV230TPH3 DIODE MA111	L104 L105		INDUCTOR CHIP 4.7μH INDUCTOR CHIP 4.7μH	
2	0 1 10 10 1 10			00_ 0.		
		_	L106		INDUCTOR 10μH	
	<delay line<="" td=""><td>></td><td>L107</td><td></td><td>INDUCTOR 10µH</td><td></td></delay>	>	L107		INDUCTOR 10µH	
DL101	1 /15 622 11	DELAY LINE, Y	L112 L113		INDUCTOR 68µH INDUCTOR CHIP 33µH	
DL101 DL102		DELAY LINE, Y	L113		INDUCTOR CHIP 35µH	
		,				
			L115		INDUCTOR CHIP 33µH	
	<ic></ic>		L116 L117		INDUCTOR CHIP 27µH	
IC101	8-759-432-78	IC MM1111XFBE	L117		INDUCTOR CHIP 27μH INDUCTOR CHIP 27μH	
10101	0.00 102.70	(PVM-8042Q, 8045Q, 9042QM, 9045QM)	1		INDUCTOR 47µH	
IC102	8-759-446-66	IC MM1113XFBE				
IC103		IC MM1113XFBE	L300		INDUCTOR 100μH	
IC104 IC105		IC MM1113XFBE IC MM1111XFBE	L1400	1-410-196-11	INDUCTOR CHIP 2.2µH	
10105	0-709-432-70	IC MINITITIZEDE				
IC106	8-759-009-51	IC MC14538BF		<transisto< td=""><td>DR></td><td></td></transisto<>	DR>	
IC107		IC BU4584BF-E2				
IC108		IC BU4053BCF	Q101		TRANSISTOR 2SC1623-L5L6	
IC109 IC110		IC BU4070BF-E2 IC BU4053BCF	Q102 Q103		TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6	
10110	0-739-932-07	IC B04033BCI	Q103 Q104		TRANSISTOR 25C1623-L5L6	
IC111	8-759-932-67	IC BU4053BCF	Q105		TRANSISTOR 2SC1623-L5L6	
IC112	8-759-231-53	IC TA7805S				
IC113		IC M51279FP	Q106		TRANSISTOR 2SC1623-L5L6	
IC114 IC115		IC TC4052BFHB	Q107		TRANSISTOR 2SC1623-L5L6	
10115	6-759-206-09	IC TC4052BFHB	Q108 Q109		TRANSISTOR 2SA1162-G TRANSISTOR DTC144EK-T147	
IC116	8-759-008-67	IC MC14066BF	Q112		TRANSISTOR 2SC1623-L5L6	
IC117		IC MM1114XFBE				
IC118		IC MM1114XFBE	Q113		TRANSISTOR 2SC1623-L5L6	
IC119		IC MM1114XFBE	Q114		TRANSISTOR 2SA1162-G	
IC120	8-759-008-67	IC MC14066BF	Q115 Q116		TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SC1623-L5L6	
IC121	8-759-932-67	IC BU4053BCF	Q110 Q117		TRANSISTOR 2SA1162-G	
IC122	8-759-998-98	IC LM358D				
IC123	8-759-998-98		Q118	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
IC124 IC125		IC CXA1478S IC MC14066BF	0110	0.700.046.00	(PVM-8042Q, 8045Q, 9042QM, TRANSISTOR 2SA1162-G	9045QM)
10125	8-759-008-67	IC MC14066BF	Q119	8-729-216-22	(PVM-8042Q, 8045Q, 9042QM,	9045OM)
IC126	8-759-932-67	IC BU4053BCF	Q120	8-729-216-22	TRANSISTOR 2SA1162-G	50-10 QIVI)
IC127	8-759-998-98		Q121		TRANSISTOR 2SC1623-L5L6	
IC128	8-759-998-98		Q122	8-729-216-22	TRANSISTOR 2SA1162-G	
10400	0.750.000.00	(PVM-8042Q, 8045Q, 9042QM, 9045QM)		0.700.400.00	TRANSPORTED SCOACSS LEFT C	
IC129 IC1400	8-759-998-98 8-759-242-64	IC TC4W53F	Q123 Q124		TRANSISTOR 2SC1623-L5L6 TRANSISTOR 2SA1162-G	
101400	0 700 242 04	10 10444001	Q125		TRANSISTOR 2SC1623-L5L6	
IC1401	8-759-209-97	IC TC4S81F	Q126	1-801-806-11	TRANSISTOR DTC144EK-T147	
			Q127	8-729-216-22	TRANSISTOR 2SA1162-G	
	<chip cond<="" td=""><td>ILICTOR></td><td>Q128</td><td>8_720_216_22</td><td>TRANSISTOR 2SA1162-G</td><td></td></chip>	ILICTOR>	Q128	8_720_216_22	TRANSISTOR 2SA1162-G	
	CONE	OCTOR>	Q120 Q129		TRANSISTOR 25AT162-G	
JR105	1-216-295-91	SHORT 0	Q130		TRANSISTOR 2SA1162-G	
JR110	1-216-295-91		Q132		TRANSISTOR 2SA1162-G	
JR113		SHORT 0 (PVM-9045PM)	Q134	1-801-806-11	TRANSISTOR DTC144EK-T147	
JR133 JR138	1-216-295-91 1-216-295-91		Q136	8-729-907-26	TRANSISTOR IMX1	
01/100	1-210-230-31	OHORT U	Q130 Q137		TRANSISTOR IMX1	
JR178	1-216-295-91	SHORT 0	Q138		TRANSISTOR IMX1	
			Q139	8-729-216-22	TRANSISTOR 2SA1162-G	
	00"		Q140	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
	<coil></coil>		Q141	8-720-120-29	TRANSISTOR 2SC1623-L5L6	
L101	1-410-470-11	INDUCTOR 10µH	Q141 Q142		TRANSISTOR 2SC1623-L5L6	
L102		INDUCTOR 18mH	Q142 Q143		TRANSISTOR 2SC1623-L5L6	
L103		INDUCTOR CHIP 4.7µH	Q144	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
		(PVM-8042Q, 8045Q, 9042QM, 9045QM)	Q145	8-729-120-28	TRANSISTOR 2SC1623-L5L6	



Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description			Remark
Q146	8-720-255-12	TRANSISTOR 2SC2551-O			<resistor></resistor>				
Q140 Q147		TRANSISTOR 2SC2551-O			KESISTOR>				
Q148		TRANSISTOR 2SA1162-G		R101	1-216-089-91	RES CHIP	47K	5%	1/10W
Q149		TRANSISTOR 2SA1091-O		R102	1-216-025-91	,	100	5%	1/10W
Q150		TRANSISTOR 2SC1623-L5L6		R103	1-216-091-00	- / -	56K	5%	1/10W
Q 100	0 120 120 20	110 WOIGT ON 200 1020 2020		R104	1-216-061-00	•	3.3K	5%	1/10W
Q151	8-729-216-22	TRANSISTOR 2SA1162-G		R105	1-216-025-91		100	5%	1/10W
Q152		TRANSISTOR 2SA1091-O		11.00				0,0	.,
Q153		TRANSISTOR 2SC1623-L5L6		R106	1-216-065-91	RES.CHIP	4.7K	5%	1/10W
Q154		TRANSISTOR 2SA1162-G		R107	1-216-025-91	,	100	5%	1/10W
Q155	8-729-200-17	TRANSISTOR 2SA1091-O				(PVM-8042Q,	8045Q, 90	42QM,	9045QM)
				R108	1-216-113-00	RES,CHIP	470K	5%	1/10W
Q157	8-729-326-11	TRANSISTOR 2SC2611		R109	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
Q158	8-729-326-11	TRANSISTOR 2SC2611		R110	1-216-049-91	RES,CHIP	1K	5%	1/10W
Q159	8-729-326-11	TRANSISTOR 2SC2611							
Q160	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R111	1-216-063-91	RES,CHIP	3.9K	5%	1/10W
Q161	8-729-216-22	TRANSISTOR 2SA1162-G		R112	1-216-049-91	RES,CHIP	1K	5%	1/10W
				R113	1-249-401-11	CARBON	47	5%	1/4W F
Q164		TRANSISTOR DTC144EK-T147		R114	1-216-045-00	•	680	5%	1/10W
Q165		TRANSISTOR 2SA1162-G		R115	1-216-061-00	RES,CHIP	3.3K	5%	1/10W
Q166		TRANSISTOR 2SA1162-G							
Q167		TRANSISTOR 2SA1162-G		R117	1-216-073-00		10K	5%	1/10W
Q168	8-729-216-22	TRANSISTOR 2SA1162-G		R118	1-216-025-91	,	100	5%	1/10W
_				R119		METAL CHIP	680		1/10W
Q170		TRANSISTOR 2SC1623-L5L6		R120		METAL CHIP	680		1/10W
Q171		TRANSISTOR 2SC1623-L5L6		R121	1-216-025-91	RES,CHIP	100	5%	1/10W
Q172		TRANSISTOR 2SC1623-L5L6		D400	4 040 000 00	DE0 0111D	0717	5 0/	4/4014/
Q173		TRANSISTOR 2SA1162-G		R122	1-216-083-00		27K	5%	1/10W
Q174	8-729-216-22	TRANSISTOR 2SA1162-G		R123	1-216-073-00	,	10K	5%	1/10W
0475	0.700.040.00	TRANSISTOR OCAMAGO C		DAGA	4 040 070 00	(PVM-8042Q,			,
Q175 Q176		TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G		R124 R125	1-216-073-00 1-216-083-00		10K	5%	1/10W 1/10W
Q176 Q177		TRANSISTOR 2SATT02-G		R125	1-216-063-00		27K 68K	5% 5%	1/10W
Q177 Q178		TRANSISTOR 25C1623-L5L6		K120	1-210-093-00	KES,CHIP	OOK	3%	1/1000
Q178 Q179		TRANSISTOR 23C 1023-2520 TRANSISTOR DTC144EK-T147		R127	1-216-037-00	DES CHID	330	5%	1/10W
QIII	1-001-000-11	TRANSISTOR DTC 144ER-1147		R127	1-216-037-00	,	27K	5% 5%	1/10W
Q189	8-729-907-26	TRANSISTOR IMX1		R129	1-216-063-00		5.6K	5%	1/10W
Q190		TRANSISTOR 2SA1162-G		R130	1-216-007-00	,	100K	5%	1/10W
Q191		TRANSISTOR 2SC1623-L5L6		11100	1 210 007 01	(PVM-8042Q,			
Q192		TRANSISTOR 2SC1623-L5L6		R131	1-216-089-91		47K	5%	1/10W
Q193		TRANSISTOR 2SC1623-L5L6		11.01	1 210 000 01	1120,01111		070	1,1011
				R132	1-216-057-00	RES.CHIP	2.2K	5%	1/10W
Q194	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R133	1-216-079-00		18K	5%	1/10W
Q195	8-729-216-22	TRANSISTOR 2SA1162-G		R134		METAL CHIP	560	0.50%	1/10W
Q196	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R135		METAL CHIP	560	0.50%	1/10W
Q197		TRANSISTOR 2SA1162-G		R136	1-216-091-00	RES,CHIP	56K	5%	1/10W
Q198	8-729-216-22	TRANSISTOR 2SA1162-G				•			
				R137	1-216-045-00	RES,CHIP	680	5%	1/10W
Q199	8-729-216-22	TRANSISTOR 2SA1162-G		R138		METAL CHIP	1.8K	0.50%	1/10W
Q200	8-729-901-06	TRANSISTOR DTA144EK		R139	1-216-079-00	RES,CHIP	18K	5%	1/10W
		(PVM-8042Q, 8045Q, 9042QM,	9045QM)	R140	1-216-653-11	METAL CHIP	1.2K	0.50%	1/10W
Q201		TRANSISTOR 2SA1162-G		R141	1-216-063-91	RES,CHIP	3.9K	5%	1/10W
Q202		TRANSISTOR 2SA1162-G							
Q203	8-729-216-22	TRANSISTOR 2SA1162-G		R142	1-216-073-00	•	10K	5%	1/10W
				R143	1-216-085-00	- / -	33K	5%	1/10W
Q204		TRANSISTOR 2SA1162-G		R145	1-216-065-91		4.7K	5%	1/10W
Q205		TRANSISTOR 2SA1162-G		R146	1-216-037-00	•	330	5%	1/10W
Q206		TRANSISTOR 2SA1162-G		R147	1-216-089-91	RES,CHIP	47K	5%	1/10W
Q208		TRANSISTOR 2SA1162-G		5			2 214		
Q209	8-729-255-12	TRANSISTOR 2SC2551-O		R148	1-216-671-11	METAL CHIP	6.8K		1/10W
0040	0.700.055.40	TRANSISTOR OCCUPATO		DACE	4 040 055 44	(PVM-8042Q,			
Q210		TRANSISTOR 2SC2551-O		R155		METAL CHIP	1.5K		1/10W
Q211		TRANSISTOR 2SC2551-O		R157		METAL CHIP	15K		1/10W
Q212		TRANSISTOR 2SK94-X2X3X4		R158		METAL CHIP	12K		1/10W
Q299 Q1400		TRANSISTOR 2SC1623-L5L6		R160	1-216-065-91	KES,CHIP	4.7K	5%	1/10W
Q1400	0-129-141-53	TRANSISTOR 2SK94-X2X3X4		R161	1-216-089-91	DES CHID	47K	5%	1/10W
Q1401	8.720-1/1 F2	TRANSISTOR 2SK94-X2X3X4		KIOI	1-210-009-91	(PVM-8042Q,			
Q1401	0-125-141-03	TANIOUTOR ZORS4-AZASA4		R163	1-216-073-00	,	10K	42QIVI, 1 5%	9045QM) 1/10W
				R164		METAL CHIP	10K 12K		1/10W
				1 11104	. 2.0 077 11			5.50 /0	.,

8-6 S MIC Chassis



Ref.No.	Part No.	Description			Remark	Ref.No.	Part No.	Description			Remark
R165	1-216-107-00	DEC CHID	270K	5%	1/10W	R218	1-216-295-91	CHORT	0		
R166		METAL CHIP	18K		1/10W	R219	1-216-293-91		560	5%	1/10W
K 100	1-210-001-11	METAL CHIP	ion	0.50%	1/1000			,			
D407	4 040 005 44	METAL OLUB	000	0.500/	4 /4 0 \ A /	R220	1-216-043-91	RES,CHIP	560	5%	1/10W
R167		METAL CHIP	220		1/10W	D004	4 040 005 00	DEO OLUD	070	5 0/	4/40\\
R168	1-216-103-00	,	180K	5%	1/10W	R221	1-216-035-00	,	270	5%	1/10W
R169	1-216-033-00	•	220	5%	1/10W	R222	1-216-033-00	•	220	5%	1/10W
R170	1-216-089-91		47K	5%	1/10W	R223	1-216-073-00	•	10K	5%	1/10W
R171	1-216-053-00	RES,CHIP	1.5K	5%	1/10W	R224	1-216-073-00	•	10K	5%	1/10W
_						R225	1-216-095-00	RES,CHIP	82K	5%	1/10W
R172	1-216-043-91	,	560	5%	1/10W						
R173	1-216-093-00		68K	5%	1/10W	R226	1-216-073-00	·	10K	5%	1/10W
R174	1-216-069-00	RES,CHIP	6.8K	5%	1/10W	R227	1-216-035-00	RES,CHIP	270	5%	1/10W
R175	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	R228	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R176	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	R229	1-216-113-00	RES,CHIP	470K	5%	1/10W
						R230	1-216-081-00	RES,CHIP	22K	5%	1/10W
R177	1-216-073-00	RES,CHIP	10K	5%	1/10W						
R178	1-216-089-91	RES,CHIP	47K	5%	1/10W	R231	1-216-113-00	RES,CHIP	470K	5%	1/10W
R179	1-216-081-00	RES,CHIP	22K	5%	1/10W	R232	1-216-105-91	RES,CHIP	220K	5%	1/10W
R180	1-216-679-11	METAL CHIP	15K	0.50%	1/10W	R233	1-216-073-00	RES,CHIP	10K	5%	1/10W
R181	1-216-071-00		8.2K	5%	1/10W	R234	1-216-041-00	·	470	5%	1/10W
		,		-,-	.,	R235	1-216-041-00	•	470	5%	1/10W
R182	1-216-682-11	METAL CHIP	20K	0.50%	1/10W	. 1200			0	0,0	.,
11102	1 210 002 11	(PVM-8042Q, 8				R236	1-216-077-00	RES CHIP	15K	5%	1/10W
R182	1-216-683-11	METAL CHIP	22K		1/10W	R237	1-216-025-91		100	5%	1/10W
ICIOZ	1 210 000 11	WE IT LE OF III	ZZIX		9045PM)	R238	1-216-065-91	•	4.7K	5%	1/10W
R183	1-216-601-11	METAL CHIP	47K	,	1/10W	R239	1-216-065-91	·	4.7K	5%	1/10W
R184		METAL CHIP	220K		1/10W	R240	1-216-033-00	·	220	5%	1/10W
R185	1-216-073-00		10K	5%	1/10W	17240	1-210-033-00	KLS,CI III	220	J /0	1/1000
100	1-210-073-00	KLS,CI IIF	IUK	3 /0	1/1000	D044	1 216 072 00	DEC CLUD	101/	E0/	1/10\\/
D406	1 016 110 00	DEC CLUD	4701/	5%	1/10W	R241	1-216-073-00	,	10K	5%	1/10W
R186	1-216-113-00		470K			R242	1-216-051-00	•	1.2K	5%	1/10W
R187	1-216-073-00		10K	5%	1/10W	R243	1-216-113-00		470K	5%	1/10W
R188	1-216-113-00		470K	5%	1/10W	R244	1-216-065-91		4.7K	5%	1/10W
R189	1-216-103-00		180K	5%	1/10W	R245	1-216-679-11	METAL CHIP	15K	0.50%	1/10W
R190	1-216-107-00	RES,CHIP	270K	5%	1/10W						
						R246	1-216-103-00	,	180K	5%	1/10W
R191	1-216-097-91		100K	5%	1/10W	R247	1-216-093-00	•	68K	5%	1/10W
R192	1-216-103-00		180K	5%	1/10W	R248	1-216-095-00	,	82K	5%	1/10W
R193	1-216-105-91		220K	5%	1/10W	R249	1-216-109-00	RES,CHIP	330K	5%	1/10W
R194	1-216-089-91	RES,CHIP	47K	5%	1/10W	R250	1-216-101-00	RES,CHIP	150K	5%	1/10W
R195	1-216-113-00	RES,CHIP	470K	5%	1/10W						
						R251	1-216-105-91	,	220K	5%	1/10W
R196	1-216-073-00	RES,CHIP	10K	5%	1/10W	R252	1-216-101-00	RES,CHIP	150K	5%	1/10W
R197	1-216-671-11	METAL CHIP	6.8K	0.50%	1/10W	R253	1-216-101-00	RES,CHIP	150K	5%	1/10W
R198	1-216-049-91	RES,CHIP	1K	5%	1/10W			(PVM-8042Q,	8045Q, 904	42QM, 9	9045QM)
R199	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	R256	1-216-107-00	RES,CHIP	270K	5%	1/10W
R200	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	R259	1-216-073-00	RES,CHIP	10K	5%	1/10W
R201	1-216-043-91	RES,CHIP	560	5%	1/10W	R262	1-216-097-91	RES,CHIP	100K	5%	1/10W
R202	1-216-033-00	RES,CHIP	220	5%	1/10W	R264	1-216-065-91	RES.CHIP	4.7K	5%	1/10W
R203	1-216-045-00	RES.CHIP	680	5%	1/10W	R266	1-216-073-00		10K	5%	1/10W
R204	1-216-073-00	,	10K	5%	1/10W	R268	1-216-081-00	,	22K	5%	1/10W
R205	1-216-073-00		10K	5%	1/10W	R269	1-216-103-00	•	180K	5%	1/10W
		- /	- *					,		- · ·	
R206	1-216-043-91	RES CHIP	560	5%	1/10W	R270	1-216-081-00	RES CHIP	22K	5%	1/10W
R207	1-216-045-00		680	5%	1/10W	R271	1-216-025-91	,	100	5%	1/10W
R208		METAL CHIP	6.8K		1/10W	R272	1-216-103-00	,	180K	5%	1/10W
R209			560	5%	1/10W	R273		•	470K	5%	1/10W
11209	1-216-043-91	(PVM-8042Q,				R275	1-216-113-00	•	22K	5% 5%	1/10W
R210	1-216-033-00	,	, 6045Q, 90 220	42QIVI, 5%	1/10W	NZIO	1-216-081-00	INEO, OI TIP	2211	J /0	1/1044
KZ IU	1-210-033-00					D070	4 040 007 00	DEC CLUD	220	F 0/	4/40\\
		(PVM-8042Q,	, ou45Q, 90	142QIVI,	9043QIVI)	R276	1-216-037-00		330	5%	1/10W
D044	4 040 000 00	חבר סייים	40017	F 0/	4/4014	R277	1-216-049-91	•	1K	5%	1/10W
R211	1-216-099-00		120K	5%	1/10W	R278	1-216-059-00	•	2.7K	5%	1/10W
R212	1-216-065-91		4.7K	5%	1/10W	R280	1-216-061-00	·	3.3K	5%	1/10W
R213	1-216-043-91		560	5%	1/10W	R281	1-216-061-00	RES,CHIP	3.3K	5%	1/10W
_		(PVM-8042Q,			,						
R214	1-216-043-91		560	5%	1/10W	R282	1-216-037-00		330	5%	1/10W
R215	1-216-127-11	RES,CHIP	1.8M	5%	1/10W	R283	1-216-049-91	RES,CHIP	1K	5%	1/10W
						R284	1-216-059-00	RES,CHIP	2.7K	5%	1/10W
R216	1-216-043-91		560	5%	1/10W	R286	1-216-061-00	RES,CHIP	3.3K	5%	1/10W
R217	1-216-033-00	RES,CHIP	220	5%	1/10W	R287	1-216-061-00	RES,CHIP	3.3K	5%	1/10W



Ref.No.	Part No.	Description			Remark	Ref.No.	Part No.	Description			Remark
D000	4 040 007 00	DEC CLUD	220	50 /	1/10W	Doso	4 040 050 44	METAL OLUB	4.01/	0.500/	4/40\4/
R288	1-216-037-00	,	330			R352	1-216-653-11	METAL CHIP	1.2K	0.50%	1/10W
R289	1-216-049-91	*	1K	5%	1/10W						
R290	1-216-059-00	RES,CHIP	2.7K	5%	1/10W	R353	1-216-650-11	METAL CHIP	910	0.50%	1/10W
R292	1-216-061-00	RES,CHIP	3.3K	5%	1/10W	R354	1-216-653-11	METAL CHIP	1.2K	0.50%	1/10W
R293	1-216-061-00	RES.CHIP	3.3K	5%	1/10W	R355	1-216-113-00	RES.CHIP	470K	5%	1/10W
					.,	R356	1-216-113-00	•	470K	5%	1/10W
R295	1-216-057-00	DES CHID	2.2K	5%	1/10W	R357	1-216-095-00	•	82K	5%	1/10W
		,				1337	1-210-093-00	KLS,CI IIF	OZIN	J /0	1/1000
R296		METAL CHIP	2.2K	0.50%				55001115			
R297		METAL CHIP	2.2K	0.50%		R358	1-216-113-00	,	470K	5%	1/10W
R298	1-216-065-91	- / -	4.7K	5%	1/10W	R359	1-216-081-00		22K	5%	1/10W
R300	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	R360	1-216-089-91	RES,CHIP	47K	5%	1/10W
						R363	1-216-069-00	RES,CHIP	6.8K	5%	1/10W
R301	1-216-059-00	RES.CHIP	2.7K	5%	1/10W	R364	1-216-073-00	•	10K	5%	1/10W
R302	1-216-113-00	*	470K	5%	1/10W			- , -	_		-
R303	1-216-065-91		4.7K	5%	1/10W	R365	1-216-073-00	DES CHID	10K	5%	1/10W
R304					1/10W						
	1-216-049-91	*	1K			R366	1-216-244-00	•	82K	5%	1/8W
R305	1-216-049-91	RES,CHIP	1K	5%	1/10W	R367	1-216-244-00		82K	5%	1/8W
						R368	1-216-055-00	RES,CHIP	1.8K	5%	1/10W
R306	1-216-089-91	RES,CHIP	47K	5%	1/10W	R369	1-216-248-00	RES,CHIP	120K	5%	1/8W
R307	1-216-033-00	RES,CHIP	220	5%	1/10W						
R308	1-216-089-91	RES.CHIP	47K	5%	1/10W	R370	1-216-115-00	RES.CHIP	560K	5%	1/10W
R309	1-216-089-91		47K	5%	1/10W	R371	1-216-067-00		5.6K	5%	1/10W
R310	1-216-033-00	- / -	220	5%	1/10W	R372	1-216-115-00	•	560K	5%	1/10W
1310	1-210-033-00	KLS,CI IIF	220	3 /0	1/1000			•			
5011		550 01115				R374	1-216-115-00	•	560K	5%	1/10W
R311	1-216-089-91		47K	5%	1/10W	R375	1-216-683-11	METAL CHIP	22K	0.50%	1/10VV
R312	1-216-089-91	RES,CHIP	47K	5%	1/10W						
R313	1-216-033-00	RES,CHIP	220	5%	1/10W	R376	1-216-663-11	METAL CHIP	3.3K	0.50%	1/10W
R314	1-216-089-91	RES.CHIP	47K	5%	1/10W	R378	1-216-025-91	RES.CHIP	100	5%	1/10W
R315	1-216-113-00	RES.CHIP	470K	5%	1/10W	R379		METAL CHIP	390		1/10W
. 10.10		0,0		0,0	.,	R380		METAL CHIP	5.1K		1/10W
D246	1 016 105 01	DEC CUID	2201/	E0/	1/10\\\						
R316	1-216-105-91	*	220K	5%	1/10W	R381	1-216-089-91	KES,CHIP	47K	5%	1/10W
R317	1-216-109-00		330K	5%	1/10W						
R318	1-216-105-91	*	220K	5%	1/10W	R382	1-216-025-91		100	5%	1/10W
R319	1-216-099-00	RES,CHIP	120K	5%	1/10W	R383	1-216-641-11	METAL CHIP	390	0.50%	1/10W
R320	1-216-099-00	RES,CHIP	120K	5%	1/10W	R384	1-216-668-11	METAL CHIP	5.1K	0.50%	1/10W
						R385	1-216-117-00	RES.CHIP	680K	5%	1/10W
R321	1-216-043-91	RES.CHIP	560	5%	1/10W	R386	1-216-025-91	•	100	5%	1/10W
R322	1-216-109-00		330K	5%	1/10W	11000	1 210 020 01	1120,01111	100	070	1, 1011
					1/10W	D207	1 016 644 44	METAL CLUD	200	0.500/	1/10\\
R323	1-216-109-00	*	330K	5%		R387		METAL CHIP	390		1/10W
R324	1-216-109-00	- / -	330K	5%	1/10W	R388		METAL CHIP	5.1K		1/10W
R325	1-216-097-91	RES,CHIP	100K	5%	1/10W	R389	1-216-089-91		47K	5%	1/10W
								(PVM-8042Q,	8045Q, 904	12QM, 9	9045QM)
R326	1-216-113-00	RES,CHIP	470K	5%	1/10W	R390	1-216-105-91	RES,CHIP	220K	5%	1/10W
R328	1-216-073-00	RES,CHIP	10K	5%	1/10W	R391	1-216-081-00	RES.CHIP	22K	5%	1/10W
R329	1-216-107-00		270K	5%	1/10W			- 7 -			
R330	1-216-105-91	*	220K	5%	1/10W	R392	1-216-113-00	RES CHIP	470K	5%	1/10W
		·									
R331	1-216-025-91	RES,CHIP	100	5%	1/10W	R393	1-216-085-00	•	33K	5%	1/10W
		550 01115				R394	1-216-113-00		470K	5%	1/10W
R332	1-216-097-91		100K	5%	1/10W	R397	1-249-437-11	CARBON	47K	5%	1/4W F
R333	1-216-097-91		100K	5%	1/10W	R398	1-249-434-11	CARBON	27K	5%	1/4W F
R334	1-216-025-91	RES,CHIP	100	5%	1/10W						
R335	1-216-099-00	RES,CHIP	120K	5%	1/10W	R399	1-216-073-00	RES.CHIP	10K	5%	1/10W
R336	1-216-095-00		82K	5%	1/10W	R1001	1-216-073-00	,	10K	5%	1/10W
. 1000		0,0	02.1	0,0	.,	R1002	1-216-047-91		820	5%	1/10W
R337	1-216-105-91	DEC CHID	2201	5%	1/10W			•			1/10W
		·	220K			R1003	1-216-055-00		1.8K	5%	
R338	1-216-025-91		100	5%	1/10W	R1004	1-216-061-00	RES,CHIP	3.3K	5%	1/10W
R339	1-216-099-00		120K	5%	1/10W						
R340	1-216-095-00	RES,CHIP	82K	5%	1/10W	R1005	1-216-047-91	RES,CHIP	820	5%	1/10W
R341	1-216-105-91	RES,CHIP	220K	5%	1/10W	R1006	1-216-055-00	RES,CHIP	1.8K	5%	1/10W
						R1007	1-216-061-00	•	3.3K	5%	1/10W
R342	1-216-047-91	RES.CHIP	820	5%	1/10W	R1008	1-216-047-91		820	5%	1/10W
R343	1-216-053-00	·	1.5K	5%	1/10W	R1009	1-216-053-00	•	1.5K	5%	1/10W
R344			3.6K	0.50%		111008	1-210-000-00	NEO,OI III	1.01	J /0	1/1000
		METAL CHIP				D4040	4 040 001 00	חבר כי ייב	0.017	50 ′	4 /4 0\4/
R345		METAL CHIP	2.7K	0.50%		R1010	1-216-061-00		3.3K	5%	1/10W
R346	1-216-105-91	KES,CHIP	220K	5%	1/10W	R1011	1-216-033-00	•	220	5%	1/10W
						R1012	1-216-051-00	RES,CHIP	1.2K	5%	1/10W
R348	1-216-061-00	RES,CHIP	3.3K		1/10W	R1013	1-216-051-00	RES,CHIP	1.2K	5%	1/10W
R349		METAL CHIP	910	0.50%		R1014	1-216-246-00		100K	5%	1/8W
R350		METAL CHIP	1.2K	0.50%		- * *		, =		-	
R351		METAL CHIP	910	0.50%		R1015	1-216-033-00	RES CHIP	220	5%	1/10W
1.001	1-210-030-11	WIE I AL OI IIF	510	J.JU /0	1/1000	11015	1-210-033-00	NEO,OI III-	220	J /0	1/1000

8-8 S MIC Chassis



Ref.No.	Part No.	Description			Remark	Ref.No.	Part No.	Description			Remark
		•	40014	==:				•			
R1016	1-216-097-91	*	100K	5%	1/10W	R1077	1-216-103-00	- / -	180K	5%	1/10W
R1017	1-216-045-00	RES,CHIP	680	5%	1/10W	R1079	1-216-131-11		2.7M	5%	1/10W
R1018	1-216-043-91	RES,CHIP	560	5%	1/10W	R1080	1-216-097-91	RES,CHIP	100K	5%	1/10W
R1019	1-216-033-00	RES,CHIP	220	5%	1/10W	R1081	1-216-097-91	RES,CHIP	100K	5%	1/10W
R1020	1-216-097-91	RES,CHIP	100K	5%	1/10W	R1082	1-216-105-91	RES,CHIP	220K	5%	1/10W
R1021	1-216-045-00	•	680	5%	1/10W	R1083	1-216-065-91		4.7K	5%	1/10W
R1022	1-216-025-91	,	100	5%	1/10W	R1084	1-216-063-91	,	3.9K	5%	1/10W
R1023	1-216-073-00		10K	5%	1/10W	R1086	1-216-073-00		10K	5%	1/10W
R1024	1-216-025-91	•	100	5%	1/10W	R1087	1-216-121-91		1M	5%	1/10W
111024	1-210-025-91	KLO,OI III	100	J /0	1/1000	1007	1-210-121-91	NEO,OI III	IIVI	J /0	1/1000
R1025	1-216-033-00		220	5%	1/10W	R1088	1-216-047-91	- , -	820	5%	1/10W
R1026	1-216-061-00	- / -	3.3K	5%	1/10W	R1090	1-216-049-91		1K	5%	1/10W
R1027	1-216-101-00	*	150K	5%	1/10W	R1091	1-216-049-91		1K	5%	1/10W
R1028	1-216-033-00	•	220	5%	1/10W	R1092	1-216-049-91		1K	5%	1/10W
R1029	1-216-061-00	RES,CHIP	3.3K	5%	1/10W	R1093	1-216-121-91	RES,CHIP	1M	5%	1/10W
R1030	1-216-089-91	RES,CHIP	47K	5%	1/10W	R1094	1-216-075-00	RES,CHIP	12K	5%	1/10W
R1031	1-216-033-00	RES,CHIP	220	5%	1/10W	R1095	1-216-075-00	RES,CHIP	12K	5%	1/10W
R1032	1-216-061-00	RES,CHIP	3.3K	5%	1/10W	R1096	1-216-075-00	RES,CHIP	12K	5%	1/10W
R1033	1-216-081-00	RES,CHIP	22K	5%	1/10W	R1200	1-216-699-11	METAL CHIP	100K	0.50%	1/10W
R1035	1-216-073-00	RES.CHIP	10K	5%	1/10W	R1201		METAL CHIP	120K	0.50%	1/10W
		,									
R1036	1-216-089-91	*	47K	5%	1/10W	R1207	1-216-061-00		3.3K	5%	1/10W
R1038	1-216-081-00	RES,CHIP	22K	5%	1/10W	R1208	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R1040	1-216-025-91	RES,CHIP	100	5%	1/10W	R1220	1-216-055-00	RES,CHIP	1.8K	5%	1/10W
		(PVM-8042Q,	8045Q, 90-	42QM,	9045QM)	R1221	1-216-055-00	RES,CHIP	1.8K	5%	1/10W
R1042	1-216-047-91	RES,CHIP	820	5%	1/10W	R1222	1-216-055-00	RES,CHIP	1.8K	5%	1/10W
R1043	1-216-057-00	RES,CHIP	2.2K	5%	1/10W						
		(PVM-8042Q,	8045Q, 90	42QM,	9045QM)	R1223	1-216-689-11	RES,CHIP	39K	5%	1/10W
		,	•			R1225	1-215-876-00	METAL OXIDE	15K	5%	1W F
R1044	1-216-061-00	RES.CHIP	3.3K	5%	1/10W	R1226		METAL OXIDE	15K	5%	1W F
		(PVM-8042Q,				R1227		METAL OXIDE		5%	1W F
R1045	1-216-125-00	,	1.5M	5%	1/10W	R1228	1-249-421-11		2.2K	5%	1/4W F
R1046		METAL CHIP	39K		1/10W	111220	1240 421 11	ONTO	2.21	070	1/4** 1
R1040	1-216-065-91		4.7K	5%	1/10W	R1229	1-249-421-11	CADRON	2.2K	5%	1/4W F
R1047	1-216-003-91		1K	5%	1/10W	R1230	1-249-421-11		2.2K 2.2K	5% 5%	1/4W F
K1040	1-210-049-91	KL3,CI IIF	IIX	J /0	1/1000	R1230			150	5% 5%	1/4VV F 1/10W
R1049	1-216-085-00	DEC CUID	33K	5%	1/10W	R1231	1-216-029-00 1-216-029-00		150	5% 5%	1/10W
		· ·									
R1050	1-216-059-00		2.7K	5% 5%	1/10W	R1233	1-216-029-00	RES,CHIP	150	5%	1/10W
R1051	1-216-105-91		220K	5%	1/10W	D4004	4 040 000 00	DEO OLUD	450	5 0/	4/40\\
R1053	1-216-091-00		56K	5%	1/10W	R1234	1-216-029-00	•	150	5%	1/10W
R1054	1-216-093-00	RES,CHIP	68K	5%	1/10W	R1235	1-216-029-00		150	5%	1/10W
5		55001115				R1236	1-216-029-00	,	150	5%	1/10W
R1055	1-216-097-91	RES,CHIP	100K	5%	1/10W	R1237	1-249-419-11		1.5K	5%	1/4W F
5		D=0.01#D		`	9045PM)	R1238	1-249-419-11	CARBON	1.5K	5%	1/4W F
R1056	1-216-037-00		330	5%	1/10W						
R1057	1-216-065-91	· ·	4.7K	5%	1/10W	R1239	1-249-419-11		1.5K	5%	1/4W F
R1058	1-216-109-00	· ·	330K	5%	1/10W	R1270	1-216-079-00	,	18K	5%	1/10W
R1059	1-216-109-00	RES,CHIP	330K	5%	1/10W	R1271	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
						R1280	1-216-109-00	RES,CHIP	330K	5%	1/10W
R1060	1-216-109-00	RES,CHIP	330K	5%	1/10W			(PVM-8042Q,	8045Q, 90	042QM,	9045QM)
R1061	1-216-109-00	RES,CHIP	330K	5%	1/10W	R1285	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R1062	1-216-103-00	RES,CHIP	180K	5%	1/10W					(PVN	И-9045M)
R1063	1-216-103-00	RES,CHIP	180K	5%	1/10W						
R1064	1-216-103-00	RES,CHIP	180K	5%	1/10W	R1288	1-216-105-91	RES,CHIP	220K	5%	1/10W
		,				R1290	1-216-071-00		8.2K	5%	1/10W
R1065	1-216-103-00	RES.CHIP	180K	5%	1/10W	R1291	1-216-081-00		22K	5%	1/10W
R1066	1-216-073-00	,	10K	5%	1/10W	R1294	1-216-069-00		6.8K	5%	1/10W
R1067	1-216-073-00	· ·	10K	5%	1/10W	R1295	1-216-109-00	•	330K	5%	1/10W
R1068	1-216-049-91		1K	5%	1/10W	200	0 . 100 00	,	20011	2 / 0	.,
R1069	1-216-133-00	•	3.3M	5%	1/10W	R1296	1-216-095-00	RES.CHIP	82K	5%	1/10W
	0 100-00	,	J.01VI	J /0	., . O V V	R1297	1-216-093-00		8.2K	5%	1/10W
R1070	1-216-085-00	RES CHIP	33K	5%	1/10W	R1297	1-216-071-00		8.2K	5% 5%	1/10W
R1070	1-216-003-00		470K	5%	1/10W	R1290	1-216-071-00		8.2K	5% 5%	1/10W
R1071	1-216-113-00		120K		1/10W			•			
				5% 5%		R1300	1-216-089-91	NEO,UNIP	47K	5%	1/10W
R1073	1-216-131-11		2.7M	5% 5%	1/10W	D4004	4 046 005 04	DEC CLUD	4 71/	E0/	4/4014/
R1075	1-216-065-91	KEO,CHIP	4.7K	5%	1/10W	R1301	1-216-065-91		4.7K	5%	1/10W
D4070	4 040 404 65	DE0 01 "D	45014	5 0/	4/40144	R1302	1-216-113-00		470K	5%	1/10W
R1076	1-216-101-00	KES,CHIP	150K	5%	1/10W	R1303	1-216-113-00	KES,CHIP	470K	5%	1/10W



Ref.No.	Part No.	Description			Remark	Ref.No.	Part No.	Description			Remark
R1304	1-216-091-00	DES CHID	56K	5%	1/10W	R1394	1-216-057-00	DEC CHID	2.2K	5%	1/10W
R1305	1-216-091-00		68K	5%	1/10W	R1395	1-216-057-00	,	2.2K 2.2K	5%	1/10W
1000	1-210-093-00	IXLO,OI III	OOK	370	1/10//	111333	1-210-037-00	IXLO,OI III	2.21\	J /0	1/1000
R1306	1-216-063-91	RES CHIP	3.9K	5%	1/10W	R1396	1-216-097-91	RES CHIP	100K	5%	1/10W
R1307	1-216-041-00	- / -	470	5%	1/10W	R1397	1-216-097-91	,	100K	5%	1/10W
R1308	1-216-041-00		470	5%	1/10W	R1401	1-216-097-91		390K	5%	1/10W
		•				R1401		,			
R1309	1-216-063-91		3.9K	5%	1/10W		1-216-689-11		39K	5% 5%	1/10W
R1310	1-216-119-00	RES,CHIP	820K	5%	1/10W	R1403	1-216-083-00	RES,CHIP	27K	5%	1/10W
D4040	4 040 404 00	DEC CLUD	4501/	F 0/	4/40\\	D4404	4 040 000 44	DEC CLUD	2014	5 0/	4 /4 0 \ \ \
R1313	1-216-101-00	,	150K	5%	1/10W	R1404	1-216-689-11	,	39K	5%	1/10W
D4040	4 040 000 00	(PVM-8042Q, 80			′ 1	R1405	1-216-067-00	,	5.6K	5%	1/10W
R1313	1-216-099-00	RES,CHIP	120K	5%	1/10W			(PVM-8042Q, 90		-	,
_				`	-9045PM)	R1405	1-216-073-00	RES,CHIP	5.6K	5%	1/10W
R1314	1-216-053-00		1.5K	5%	1/10W						-9045PM)
R1315	1-216-077-00	RES,CHIP	15K	5%	1/10W	R1406	1-216-067-00	,	5.6K	5%	1/10W
R1320	1-216-083-00	RES,CHIP	27K	5%	1/10W			(PVM-8042Q, 90	045QM, 904	42QM,	9045QM)
						R1406	1-216-073-00	RES,CHIP	5.6K	5%	1/10W
R1321	1-216-093-00	RES,CHIP	68K	5%	1/10W					(PVM	-9045PM)
R1322	1-216-037-00	RES,CHIP	330	5%	1/10W						
R1323	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	R1407	1-216-029-00	RES.CHIP	150	5%	1/10W
R1324	1-216-121-91		1M	5%	1/10W	R1408	1-216-067-00	RES.CHIP	5.6K	5%	1/10W
R1325	1-216-085-00		33K	5%	1/10W			(PVM-8042Q, 90			
111020	1 210 000 00	1120,01111	0011	070	.,	R1408	1-216-049-91		1K	5%	1/10W
R1326	1-216-065-91	DES CHID	4.7K	5%	1/10W	111400	1-210-043-31	IXLO,OI III	IIX		-9045PM)
R1327	1-216-099-00		120K	5%	1/10W	R1409	1-216-067-00	DEC CHID	5.6K	5%	1/10W
R1328	1-216-099-00	- / -	120K	5% 5%	1/10W	K1409	1-210-007-00	,			
						D4 400	4 040 040 04	(PVM-8042Q, 90		-	,
R1329	1-216-093-00	*	68K	5%	1/10W	R1409	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1330	1-216-063-91	RES,CHIP	3.9K	5%	1/10W						
_						R1410	1-216-097-91	,	100K	5%	1/10W
R1331	1-216-051-00		1.2K	5%	1/10W	R1411	1-216-089-91		47K	5%	1/10W
R1332	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	R1412	1-216-097-91	RES,CHIP	100K	5%	1/10W
R1333	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	R1413	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1334	1-216-055-00	RES,CHIP	1.8K	5%	1/10W	R1414	1-216-111-00	RES,CHIP	390K	5%	1/10W
R1335	1-216-035-00	RES,CHIP	270	5%	1/10W						
R1336	1-216-089-91	RES,CHIP	47K	5%	1/10W		<variable f<="" td=""><td>RESISTOR></td><td></td><td></td><td></td></variable>	RESISTOR>			
R1337	1-216-113-00	RES,CHIP	470K	5%	1/10W						
R1338	1-216-049-91		1K	5%	1/10W	RV101	1-241-763-11	RES, ADJ, CER	MET 4.7K		
R1339	1-216-097-91		100K	5%	1/10W			(PVM-8042Q,		42QM.	9045QM)
111000	1 210 007 01	(PVM-8042Q, 8				RV102	1-241-763-11	RES, ADJ, CER			00 10 (111)
R1340	1-216-097-91		100K	5%	1/10W	RV102		RES, ADJ, CAR			
111040	1 210 007 01	(PVM-8042Q, 8				100	1 241 700 11	(PVM-8042Q,		420M	9045OM)
		(I VIVI-0042Q,	0043Q,	3042QIVI,	3043QIVI)	D\/104	1 2/1 750 11			+ZQIVI,	3043QIVI)
D4244	1 016 111 00	DEC CLUD	2001/	E0/	1/10\\\	RV104		RES, ADJ, CAR			
R1341	1-216-111-00	,	390K	5%	1/10W	RV105	1-241-761-11	RES, ADJ, CAR	BONTK		
5.6.6		(PVM-8042Q, 8									
R1342	1-216-694-11		62K		1/10W	RV106	1-241-761-11	RES, ADJ, CAR			
		(PVM-8042Q, 8	8045Q,	9042QM,	9045QM)			(PVM-8042Q,	8045Q, 904	42QM,	9045QM)
R1343	1-216-121-91		1M	5%	1/10W	RV107	1-241-761-11	RES, ADJ, CAR	BON 1K		
		(PVM-8042Q, 8	8045Q,	9042QM,	9045QM)	RV108	1-241-764-11	RES, ADJ, CAR	BON 10K		
R1344	1-216-073-00	RES,CHIP	10K	5%	1/10W			(PVM-8042Q,	8045Q, 904	42QM,	9045QM)
		(PVM-8042Q, 8	8045Q,	9042QM,	9045QM)	RV109	1-241-765-11	RES, ADJ, CER	MET 22K		
R1345	1-216-055-00	RES,CHIP	1.8K	5%	1/10W	RV110	1-241-764-11	RES, ADJ, CAR	BON 10K		
		(PVM-8042Q, 8	8045Q.	9042QM,	9045QM)			, ,			
		,	,			RV111	1-241-764-11	RES, ADJ, CAR	BON 10K		
R1346	1-216-047-91	RES.CHIP	820	5%	1/10W	RV112		RES, ADJ, CAR			
		(PVM-8042Q, 8					1 200 010 11	(PVM-8042Q,		42OM	9045OM)
R1347	1-216-073-00	,	10K	5%	1/10W	RV113	1_238_010_11	RES, ADJ, CAR		12 Q IVI,	50-10 Q(VI)
R1348	1-216-073-00		10K	5%	1/10W	RV113		RES, ADJ, CAR			
		•									
R1349	1-216-073-00		10K	5%	1/10W	RV115	1-241-765-11	RES, ADJ, CAR	DON 22K		
R1350	1-216-073-00	KES,UHIP	10K	5%	1/10W	D\/440	1 044 705 44	DEC ADIOAS	DON 9014		
5.55.						RV116		RES, ADJ, CAR			
R1351	1-216-073-00		10K	5%	1/10W	RV118		RES, ADJ, CAR			
R1352	1-216-073-00		10K	5%	1/10W	RV119		RES, ADJ, CAR			
R1353	1-216-115-00		560K	5%	1/10W	RV120		RES, ADJ, CAR			
R1371	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	RV121	1-241-765-11	RES, ADJ, CAR	BON 22K		
R1372	1-216-057-00		2.2K	5%	1/10W						
						RV122	1-241-765-11	RES, ADJ, CAR	BON 22K		
R1373	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	RV123		RES, ADJ, CAR			
R1392	1-216-089-91		47K	5%	1/10W	RV124		RES, ADJ, CAR			
R1393	1-216-095-00	•	82K	5%	1/10W	RV125		RES, ADJ, CAR			
	5 555 50	, •		2,0				,,			



Ref.No.	Part No.	Description			Remark	Ref.No.	Part No.	Description			Remark
RV205	1-241-765-11	RES, ADJ, CAR	BON 22K			******	******	******	*******	*****	*****
		RES, ADJ, CER RES, ADJ, CER					* A-1195-146-A	P BOARD, CC			
	<module></module>						* 4-043-154-01 HOLDER, IC 4-382-854-01 SCREW (M3X8), P, SW (+) 4-879-937-00 SHEET, MICA				
SEP101	1-808-654-11						4-079-937-00	SHEET, WICK			
SEP101	1-809-347-11	(PVM-8042Q, MODULE (PVM		42QM,	9045QM)		<capacitor< td=""><td>₹></td><td></td><td></td><td></td></capacitor<>	₹>			
	<crystal></crystal>					C801 C802 C803	1-126-971-11 1-102-228-00 1-102-228-00	CERAMIC	470μF 470PF 470PF	20% 10% 10%	35V 500V 500V
X1400 X1401 X1401	1-527-523-00	VIBRATOR, CR OSCILLATOR C VIBRATOR, CR	RYSTAL (PVM-9	045PM)	C804 C806	1-107-638-11 1-124-480-11	ELECT	33μF 470μF	20% 20%	160V 25V
X1401	1-5//-259-11	(PVM-8042Q,		42QM,	9045QM)	C807 C808	1-102-228-00 1-137-150-11	MYLAR	470PF 0.01μF	10% 10%	500V 100V
						C809 C810	1-106-375-12 1-162-318-11		0.022μF 0.001μF	10% 10%	100V 500V
******	******	********	******	*****	*****		<u> </u>		0.01μF	3%	600V
*	* A-1190-333-A		,				1-137-545-11		0.013μF	3%	600V
		********	14: 34: 34: 34: 34: 34:			C813 C814	1-107-385-11 1-137-353-11		0.056μF 0.047μF	5% 10%	200V 100V
						C815	1-124-910-11	ELECT	47μF	20%	50V
	<capacitor< td=""><td>₹></td><td></td><td></td><td></td><td>C816</td><td>1-107-675-11</td><td></td><td>1μF </td><td>20%</td><td>160V</td></capacitor<>	₹>				C816	1-107-675-11		1μF 	20%	160V
C815	1-126-964-11	FLECT	10μF	20%	50V	C818 C819	1-102-228-00 1-162-116-00		470PF 680PF	10% 10%	500V 2KV
C816	1-117-228-11	FILM	2.2μF	10%	450V	C820	1-162-116-00		680PF	10%	2KV
C817	1-117-228-11	FILM	2.2μF	10%	450V	C821 C825	1-162-116-00 1-123-024-21		680PF 33μF	10%	2KV 160V
	<connecto< td=""><td>)R></td><td></td><td></td><td></td><td>C880 C883</td><td>1-163-031-11 1-129-720-00</td><td>CERAMIC CHIF</td><td>0.01μF</td><td>5%</td><td>50V 630V</td></connecto<>)R>				C880 C883	1-163-031-11 1-129-720-00	CERAMIC CHIF	0.01μF	5%	50V 630V
CN806		TAB (CONTACT									
CN808 *	1-564-506-11	PLUG, CONNEC PLUG, CONNEC PLUG, CONNEC	CTOR 3P	MM) 3F	þ		<connecto< td=""><td></td><td></td><td></td><td></td></connecto<>				
						CN802	* 1-508-766-00	PLUG, CONNECT	OR (5MM) 4P
	<diode></diode>							PLUG, CONNECTAB (CONTACT			
D815	8-719-911-19	DIODE 1SS119	-25					PLUG, CONNE	,		
	<transistc< td=""><td>)R></td><td></td><td></td><td></td><td></td><td><diode></diode></td><td></td><td></td><td></td><td></td></transistc<>)R>					<diode></diode>				
Q815		TRANSISTOR 2				D801		DIODE EL1Z			
Q816	8-729-140-96	TRANSISTOR 2	SD774-34			D802 D803		DIODE EL1Z DIODE EL1Z			
						D804	8-719-979-85	DIODE EGP200	}		
	<resistor></resistor>	•				D805	8-719-302-43	DIODE EL1Z			
R815		METAL OXIDE		5% 5%	3W F	D806		DIODE EL1Z	000000 47	ь	
R816 R817	1-249-429-11 1-247-843-11		10K 3.3K	5% 5%	1/4W 1/4W	D808 D809		THYRISTOR CF	KUZAIVI-4 I I	D	
R818	1-202-846-00	SOLID	470K	10%	1/2W	D810 D811		DIODE GP08D DIODE GP08D			
	<relay></relay>					D813		DIODE EL1Z			
RY815	1-515-738-11	RELAY				D814	8-719-901-19	DIODE V11N			
							<coil></coil>				
						L802	1-459-442-00	INDUCTOR	15μΗ		



Ref.No.	Part No.	Description			Remark	Ref.No.	Part No.	Description			Remark
L803		COIL, AIR COR	•				<fuse></fuse>				
L805 L807	1-406-987-21		4.7mH	ARITY	48.80	F601	1-532-745-11	FUSE, GLASS T			
L810	1-412-529-11	INDUCTOR	22μΗ			F601	1-576-230-11 1-576-230-11	FUSE (H.B.C) 3	M-8042Q, 8 .15A/250V M-9042QN	•	,
	<neon lamp<="" td=""><td>></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></neon>	>									
NL801	1-519-108-99	LAMP, NEON					<resistor></resistor>				
	<transisto< td=""><td>OR></td><td></td><td></td><td></td><td>R602</td><td>1-202-887-91 1-202-887-91</td><td>SOLID</td><td>1.5M</td><td>20%</td><td>1/2W</td></transisto<>	OR>				R602	1-202-887-91 1-202-887-91	SOLID	1.5M	20%	1/2W
Q801 Q802		TRANSISTOR 2					<switch></switch>				
Q002	0-729-201-02	TRANSISTOR	.002000-2			S601	△ 1-692-049-11	SWITCH, PUSH (3.0A/250V)	(AC POW	'ER) (1	KEY)
	<resistor></resistor>	•				S601	↑ 1-602-050-11	(PVI SWITCH, PUSH	M-8042Q, 8		,
R801 R802 R803	1-249-383-11 1-249-377-11 1-216-049-91	CARBON	1.5 0.47 1K	5% 5% 5%	1/4W F 1/4W F 1/10W	3001	21-092-030-11	30011011, F0311	`	, ,	9045QM)
R804 R805	1-249-419-11		1.5K	5% 5%	1/4W F 2W F	*****	******	*******	******	*****	*****
R807 R808	1-216-425-11 1-202-846-00	METAL OXIDE SOLID	56 470K	5% 20%	1W F 1/2W		* A-1275-162-A	QA COMPLET			
R809 R810	1-216-089-91 1-249-421-11	·	47K 2.2K	5% 5%	1/10W 1/4W F		1-537-408-21	TERMINAL BOA	AD INDII	T/OUT	DIIT
R811	1-216-049-91		1K	5%	1/10W			TERMINAL BOA			
R813 R814	1-249-414-11 1-249-377-11		560 0.47	5% 5%	1/4W F 1/4W F		<capacitor< td=""><td>).</td><td></td><td></td><td></td></capacitor<>).			
R817	1-249-377-11		4.7K	5%	1/40V		CAPACITOR	(>			
						C401 C402	1-126-514-11 1-126-514-11		22μF 22μF	20% 20%	16V 16V
	<variable f<="" td=""><td>RESISTOR></td><td></td><td></td><td></td><td>C403</td><td>1-126-514-11</td><td></td><td>22μF</td><td>20%</td><td>16V</td></variable>	RESISTOR>				C403	1-126-514-11		22μF	20%	16V
RV801	1-223-102-00	RES, ADJ, WIRI	EWOUND	120		C404 C405	1-126-514-11 1-126-514-11		22μF 22μF	20% 20%	16V 16V
						C406	1-126-514-11	ELECT	22μF	20%	16V
	<transfor< td=""><td>MER></td><td></td><td></td><td></td><td>C407</td><td>1-126-514-11</td><td>-</td><td>22μF 0.1սF</td><td>20%</td><td>16V</td></transfor<>	MER>				C407	1-126-514-11	-	22μF 0.1սF	20%	16V
T801	1-437-082-31	HDT				C408 C409	1-115-867-11 1-126-514-11		0.1μF 22μF	20% 20%	50V 16V
T802	1-439-526-12	TRANSFORME	R ASSY, F	LYBAC	K	C410	1-126-514-11	ELECT	22μF	20%	16V
						C411	1-126-514-11		22μF	20%	16V
******	******	*******	*****	*****	******	C412 C413	1-126-514-11 1-126-514-11		22μF 22μF	20% 20%	16V 16V
						C414	1-126-791-11	ELECT	10μF	20%	16V
	* A-1241-055-A	MOUNTED PV PVI)	VB, FA M-8042Q, 8	8045Q,	9045PM)	C415	1-126-791-11		10μF	20%	16V
	* A-1241-070-A	MOUNTED PV	,	40014	0045014	C416	1-126-791-11		10μF	20%	16V
		********			9045QM) ******	C417 C418	1-126-791-11 1-126-791-11	-	10μF 10μF	20% 20%	16V 16V
						C419	1-126-791-11	-	10μΓ 10μF	20%	16V
	1-533-223-11 * 1-641-723-11	CLIP, FUSE PC BOARD, FA				C420	1-126-791-11	-	10μF _	20%	16V
						C421 C422	1-102-125-00 1-115-868-11		0.0047μF 0.22μF	10% 20%	50V 50V
	<capacitor< td=""><td>₹></td><td></td><td></td><td></td><td>C423</td><td>1-126-791-11</td><td></td><td>10μF</td><td>20%</td><td>16V</td></capacitor<>	₹>				C423	1-126-791-11		10μF	20%	16V
C601	1-136-889-1	FILM	0.22μF	20%	250V	C424 C425	1-126-791-11 1-137-397-11		10μF 0.047μF	20% 5%	16V 100V
	CONNECTO	NP.				C426	1-128-499-11		220μF	20%	16V
	<connecto< td=""><td>/N.></td><td></td><td></td><td></td><td>C427 C428</td><td>1-128-499-11 1-107-909-11</td><td></td><td>220μF 47μF</td><td>20% 20%</td><td>16V 16V</td></connecto<>	/N.>				C427 C428	1-128-499-11 1-107-909-11		220μF 47μF	20% 20%	16V 16V
	* 1-580-689-11					C429	1-126-514-11	ELECT	22μF	20%	16V
	* 1-508-765-00 * 1-564-507-11			PITCH)	3P	C430	1-163-033-91	CERAMIC CHIP	0.022μF		50V

8-12 S MIC Chassis



Ref.No.	Part No.	Description			Remark	Ref.No.	Part No.	Description	Remark
C421	1 106 514 11	ELECT 22	E	200/	16\/	D447	0.740.404.40	DIODE MA111	
C431	1-126-514-11		•	20%	16V	D417		DIODE MA111	
C432		CERAMIC CHIP 0.0			50V	D418		DIODE MA111	
C433	1-126-514-11	ELECT 22	μF	20%	16V	D419	8-719-404-49	DIODE MA111	
C434	1-163-033-91	CERAMIC CHIP 0.0)22μF		50V	D420	8-719-404-49	DIODE MA111	
C435	1-126-514-11	ELECT 22	μF	20%	16V				
		·	•			D421	8-719-404-49	DIODE MA111	
C436	1-163-033-91	CERAMIC CHIP 0.0	122uF		50V	D422		DIODE MA111	
C437		CERAMIC CHIP 0.0			50V	D423		DIODE MA111	
C438	1-126-514-11		_ '	20%	16V				
			•	20%		D424		DIODE MA111	
C439		CERAMIC CHIP 0.0			50V	D425	8-719-404-49	DIODE MA111	
C440	1-163-033-91	CERAMIC CHIP 0.0	J22μF		50V				
						D426	8-719-404-49	DIODE MA111	
C441	1-126-514-11	ELECT 22	μF	20%	16V	D427	8-719-404-49	DIODE MA111	
C442	1-163-033-91	CERAMIC CHIP 0.0)22μF		50V	D428	8-719-404-49	DIODE MA111	
C443	1-163-033-91	CERAMIC CHIP 0.0)22μF		50V	D429	8-719-404-49	DIODE MA111	
C444	1-163-033-91	CERAMIC CHIP 0.0)22μF		50V	D430	8-719-404-49	DIODE MA111	
C445		CERAMIC CHIP 0.0			50V				
0110	1 100 001 11	OLIVATIO OTILI 0.0	5 i pa		001	D431	8-710-404-40	DIODE MA111	
C446	1 162 021 11	CERAMIC CHIP 0.0	14E		E0\/	D431	0-7 13-404-43	DIODE WATTI	
C446			•	200/	50V				
C447	1-115-871-11			20%	50V		10		
C448	1-126-514-11	•	•	20%	16V		<ic></ic>		
C449		CERAMIC CHIP 0.0			50V				
C450	1-126-514-11	ELECT 22	μF	20%	16V	IC401	8-759-446-66	IC MM1113XFBE	
						IC402	8-759-446-66	IC MM1113XFBE	
C451	1-163-033-91	CERAMIC CHIP 0.0)22μF		50V	IC403	8-759-420-04	IC AN5265	
C452	1-128-126-11			20%	25V				
C453	1-126-514-11		•	20%	16V				
C454	1-128-499-11		OμF	20%	16V		<coil></coil>		
C460	1-115-871-11			20%	50V		COOIL		
C460	1-110-071-11	ΕΕΕΟΙ Ιμι	,Г	20%	30 V	1.404	4 440 000 04	INDUCTOR 470L	
			_			L401		INDUCTOR 470μH	
C461	1-115-871-11			20%	50V	L402	1-410-682-31	INDUCTOR 470μH	
C462	1-115-871-11	•		20%	50V				
C464	1-163-031-11	CERAMIC CHIP 0.0)1μF		50V				
C465	1-163-031-11	CERAMIC CHIP 0.0	01μF		50V		<transistc< td=""><td>R></td><td></td></transistc<>	R>	
C466	1-163-031-11	CERAMIC CHIP 0.0)1μF		50V				
			•			Q401	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
C467	1-163-031-11	CERAMIC CHIP 0.0)1ııF		50V	Q402		TRANSISTOR 2SC1623-L5L6	
C475		CERAMIC CHIP 0.0			50V	Q403		TRANSISTOR 2SA1162-G	
C1401	1-128-126-11		0μΕ	20%	25V	Q404		TRANSISTOR 2SC1623-L5L6	
C1401	1-120-120-11	ELECT 100	υμг	20%	23 V				
						Q405	0-729-120-20	TRANSISTOR 2SC1623-L5L6	
	001115070	ND.				0.400	0.700.400.00	TD 4 NOIGTOD 000 4 000 1 51 0	
	<connecto< td=""><td>)R></td><td></td><td></td><td></td><td>Q406</td><td></td><td>TRANSISTOR 2SC1623-L5L6</td><td></td></connecto<>)R>				Q406		TRANSISTOR 2SC1623-L5L6	
						Q407	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
CN401	1-506-494-11	PIN, CONNECTOR	15P			Q408	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
CN402	* 1-564-518-11	PLUG, CONNECTO	OR 3P			Q409	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
CN403	* 1-580-690-11	PIN, CONNECTOR	(PC BC	DARD)	2P	Q410	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
CN404	* 1-564-520-11	PLUG, CONNECTO	DR 5P						
						Q411	8-729-216-22	TRANSISTOR 2SA1162-G	
						Q412		TRANSISTOR 2SA1162-G	
	<diode></diode>					Q412 Q413		TRANSISTOR 2SA1162-G	
	\D.\ODL/					Q413 Q414		TRANSISTOR 2SAT162-G	
D404	0 740 404 40	DIODE MA111							
D401		DIODE MA111				Q416	0-129-106-68	TRANSISTOR 2SD1615A-GP	
D402		DIODE MA111				0	0.700.05: -	TD ANIOIOTOS STATES	
D403		DIODE RD8.2ESB3	3			Q417		TRANSISTOR DTA144EK	
D404	8-719-404-49	DIODE MA111				Q418	8-729-901-06	TRANSISTOR DTA144EK	
D405	8-719-404-49	DIODE MA111				Q419	8-729-901-06	TRANSISTOR DTA144EK	
						Q421	8-729-901-06	TRANSISTOR DTA144EK	
D406	8-719-404-49	DIODE MA111				Q422	1-801-806-11	TRANSISTOR DTC144EK-T147	
D407		DIODE MA111							
D407		DIODE MA111				Q423	8-729-901-06	TRANSISTOR DTA144EK	
D400		DIODE MA111				Q423		TRANSISTOR DTA144EK	
D410	0-7 19-404-49	DIODE MA111				Q1401		TRANSISTOR 2SC1623-L5L6	
.	0.740.45	DIODE				Q1403		TRANSISTOR 2SC1623-L5L6	
D411		DIODE MA111				Q1404	8-729-216-22	TRANSISTOR 2SA1162-G	
D412		DIODE MA111							
D413	8-719-404-49	DIODE MA111				Q1405	8-729-216-22	TRANSISTOR 2SA1162-G	
D414	8-719-404-49	DIODE MA111				Q1406	8-729-216-22	TRANSISTOR 2SA1162-G	
D415		DIODE MA111				Q1407		TRANSISTOR 2SC1623-L5L6	
D416	8-719-404-40	DIODE MA111							
D+10	0 1 10 704-43	PIOPE INIVITI				l			



Ref.No.	Part No.	Description			Remark	Ref.No.	Part No.	Description			Remark
	<resistor></resistor>	•				R458	1-247-707-11		390	5%	1/4W
						R459	1-216-689-11	RES,CHIP	39K	5%	1/10W
R401	1-214-702-00		75	1%	1/4W	R460	1-216-089-91	RES,CHIP	47K	5%	1/10W
R402	1-216-049-91		1K	5%	1/10W						
R403	1-216-093-00		68K	5%	1/10W	R461	1-216-097-91	RES,CHIP	100K	5%	1/10W
R404	1-216-091-00	RES,CHIP	56K	5%	1/10W	R462	1-216-115-00	RES,CHIP	560K	5%	1/10W
R405	1-216-063-91	RES,CHIP	3.9K	5%	1/10W	R463	1-216-105-91	RES,CHIP	220K	5%	1/10W
						R464	1-216-077-00	RES,CHIP	15K	5%	1/10W
R406	1-216-037-00	RES,CHIP	330	5%	1/10W	R465	1-216-025-91	RES,CHIP	100	5%	1/10W
R407	1-216-689-11	RES.CHIP	39K	5%	1/10W			•			
R408	1-216-085-00	RES.CHIP	33K	5%	1/10W	R466	1-216-097-91	RES.CHIP	100K	5%	1/10W
R409	1-214-702-00	•	75	1%	1/4W	R467	1-216-115-00	,	560K	5%	1/10W
R410	1-216-049-91		1K	5%	1/10W	R468	1-216-105-91	,	220K	5%	1/10W
11410	1 210 040 01	rreo,or iii	111	070	1/1011	R469	1-216-077-00		15K	5%	1/10W
R411	1-216-093-00	RES CHIP	68K	5%	1/10W	R470	1-216-025-91	•	100	5%	1/10W
R411	1-216-093-00		56K	5%	1/10W	1470	1-210-025-91	KL3,CI IIF	100	3 /0	1/1000
						D 474	4 040 007 04	DEC CLUD	4001/	5 0/	4/40\\
R413	1-216-063-91		3.9K	5%	1/10W	R471	1-216-097-91		100K	5%	1/10W
R414	1-216-037-00		330	5%	1/10W	R472	1-216-115-00		560K	5%	1/10W
R415	1-216-061-00	RES,CHIP	3.3K	5%	1/10W	R473	1-216-105-91	,	220K	5%	1/10W
_						R474	1-216-077-00		15K	5%	1/10W
R416	1-216-023-00		82	5%	1/10W	R475	1-216-025-91	RES,CHIP	100	5%	1/10W
R417	1-216-049-91	,	1K	5%	1/10W						
R418	1-216-093-00	RES,CHIP	68K	5%	1/10W	R477	1-216-081-00	RES,CHIP	22K	5%	1/10W
R419	1-216-091-00	RES,CHIP	56K	5%	1/10W	R479	1-216-085-00	RES,CHIP	33K	5%	1/10W
R420	1-216-063-91	RES,CHIP	3.9K	5%	1/10W	R480	1-247-711-11	CARBON	680	5%	1/4W
						R481	1-247-720-11	CARBON	3.9K	5%	1/4W
R421	1-216-027-00	RES.CHIP	120	5%	1/10W	R482	1-249-455-11		4.7	5%	1/4W
R422	1-214-702-00		75	1%	1/4W						.,
R423	1-214-702-00		75	1%	1/4W	R483	1-249-389-11	CARRON	4.7	5%	1/4W F
R424	1-216-049-91		1K	5%	1/10W	R484	1-216-049-91		1K	5%	1/10W
R425	1-216-093-00		68K	5%	1/10W	R485	1-247-688-11		10	5%	1/10VV 1/4W F
K423	1-210-093-00	RES,CHIP	OOK	370	1/1000	l					
D 400	4 040 004 00	DEO OLUD	5014	5 0/	4/40\4/	R486	1-216-037-00		330	5%	1/10W
R426	1-216-091-00	,	56K	5%	1/10W	R487	1-249-468-11	CARBON	82K	5%	1/4W
R427	1-216-063-91		3.9K	5%	1/10W						
R428	1-216-037-00	•	330	5%	1/10W	R488	1-249-468-11		82K	5%	1/4W
R429	1-214-702-00		75	1%	1/4W	R489	1-249-468-11		82K	5%	1/4W
R430	1-216-049-91	RES,CHIP	1K	5%	1/10W	R490	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
						R491	1-216-089-91	RES,CHIP	47K	5%	1/10W
R431	1-216-093-00	RES,CHIP	68K	5%	1/10W	R492	1-216-089-91	RES,CHIP	47K	5%	1/10W
R432	1-216-091-00	RES,CHIP	56K	5%	1/10W						
R433	1-216-063-91	RES,CHIP	3.9K	5%	1/10W	R493	1-216-089-91	RES,CHIP	47K	5%	1/10W
R434	1-216-651-11	METAL CHIP	1K	0.50%	1/10W	R495	1-216-295-91	SHORT	0		
R435	1-214-702-00	METAL	75	1%	1/4W	R496	1-216-057-00		2.2K	5%	1/10W
						R497	1-216-089-91	·	47K	5%	1/10W
R436	1-216-049-91	RES CHIP	1K	5%	1/10W	R498	1-216-089-91		47K	5%	1/10W
R437	1-216-093-00		68K	5%	1/10W	11.00	1 210 000 01	1120,01111		070	17 1011
R438	1-216-091-00		56K	5%	1/10W	R499	1-216-089-91	DES CHID	47K	5%	1/10W
R439	1-216-063-91		3.9K	5%	1/10W	R1401	1-216-097-91	·	100K	5%	1/10W
R440	1-216-027-00		120		1/10W			,		J /0	1/1000
17440	1-210-021-00	KLS,CI IIF	120	5%	1/1000	R1403	1-216-295-91		0	E0/	1/10\\\
R441	1-216-089-91	DEC CLUD	47K	E0/	1/10\\\	R1404 R1410	1-216-097-91 1-216-049-91		100K	5% 5%	1/10W 1/10W
				5%	1/10W	K1410	1-216-049-91	KES,CHIP	1K	5%	1/1000
R442	1-216-049-91		1K	5% 5%	1/10W	Dagge	4 040 000 01	DEC 01 "E	4717	F0/	4/4014/
R443	1-216-689-11	•	39K	5%	1/10W	R1411	1-216-089-91		47K	5%	1/10W
R444	1-214-702-00		75	1%	1/4W	R1412	1-216-113-00	·	470K	5%	1/10W
R445	1-216-049-91	RES,CHIP	1K	5%	1/10W	R1413	1-216-073-00		10K	5%	1/10W
						R1414		METAL CHIP	3K		1/10W
R446	1-216-093-00	RES,CHIP	68K	5%	1/10W	R1416	1-216-662-11	METAL CHIP	3K	0.50%	1/10W
R447	1-216-091-00	RES,CHIP	56K	5%	1/10W						
R448	1-216-063-91	RES,CHIP	3.9K	5%	1/10W	R1417	1-216-063-91	RES,CHIP	3.9K	5%	1/10W
R449		METAL CHIP	1K		1/10W	R1418	1-216-027-00		120	5%	1/10W
R450	1-214-702-00	METAL	75	1%	1/4W	R1419	1-216-063-91	RES.CHIP	3.9K	5%	1/10W
		•	-			R1420	1-216-027-00		120	5%	1/10W
R451	1-216-049-91	RES.CHIP	1K	5%	1/10W	R1421	1-216-063-91	·	3.9K	5%	1/10W
R452	1-216-091-00	,	56K	5%	1/10W	11741	1 210 000-31	L O, O1 III	5.51	J /0	1/ 1 O V V
R453	1-216-091-00		68K	5%	1/10W	R1422	1-216-027-00	DES CHID	120	5%	1/10W
R453 R454	1-216-093-00							·			
			3.9K	5% 5%	1/10W	R1423	1-216-073-00		10K	5% 5%	1/10W
R455	1-216-037-00	KES,CHIP	330	5%	1/10W	R1424	1-216-049-91		1K	5%	1/10W
D 450	4 040 005 00	DEC OLUE	2014	F 0/	4/4014	R1425	1-216-073-00	·	10K	5%	1/10W
R456	1-216-085-00		33K	5%	1/10W	R1426	1-216-049-91	RES,CHIP	1K	5%	1/10W
R457	1-216-085-00	RES,CHIP	33K	5%	1/10W						

8-14 S MIC Chassis



Ref.No.	Part No.	Description			Remark	Ref.No.	Part No.	Description			Remark
R1427 R1428 R1429 R1430	1-216-073-00 1-249-465-11 1-216-089-91 1-216-049-91	CARBON RES,CHIP	10K 47K 47K 1K	5% 5% 5% 5%	1/10W 1/4W 1/10W 1/10W		* 3-738-015-01 4-382-854-01	HOLDER, FUSE COVER, (DIA. 6 SCREW (M3X8) SCREW (M3X10) CARBON), P, SW (+)	
	<variable f<="" td=""><td>RESISTOR></td><td></td><td></td><td></td><td></td><td><capacitof< td=""><td>₹></td><td></td><td></td><td></td></capacitof<></td></variable>	RESISTOR>					<capacitof< td=""><td>₹></td><td></td><td></td><td></td></capacitof<>	₹>			
RV401	1-237-994-11	RES, VAR, CAF	RBON 20K			C501	1-104-664-11	ELECT (PVM-8042Q,	47μF 8045Q, 90	20% 42QM,	16V 9045QM)
	<switch></switch>					C502 C503	1-126-964-11 1-126-935-11	ELECT	10μF 470μF	20%	50V 16V
S401	1-570-145-11	SWITCH, SLIDE	≣			C504 C505	1-126-959-11 1-106-381-12		0.47µF 0.039µF	20% 10%	50V 100V
ske sde sde sde sde sde sde sde sde sde		******	e ale ale ale ale ale ale ale ale ale al	ale ale ale ale ale ale ale	ole ole ole ole ole ole ole ole ole	C506 C507 C508	1-126-960-11 1-137-150-11	MYLAR	1μF 0.01μF	20% 10%	50V 100V 50V
						C508	1-126-960-11 1-137-194-81		1μF 0.47μF	20% 5%	50V 50V
	* A-1331-183-B	*********				C510	1-136-161-00		0.047μF	5%	50V
						C511	1-107-902-11		1μF	20%	50V
		SOCKET, CRT				C512	1-106-375-12		0.022μF	10%	100V
		PC BOARD, CA COVER (REAR		(OI		C513 C514	1-106-375-12		0.022μF 0.015μF	10% 10%	100V 100V
		COVER (MAIN)		VOL		C514	1-137-350-11 1-126-961-11		2.2μF	20%	50V
						C516	1-126-961-11	ELECT	2.2μF	20%	50V
	<capacitor< td=""><td>₹></td><td></td><td></td><td></td><td>C517</td><td>1-130-480-00</td><td>FILM</td><td>0.0056μF</td><td>5%</td><td>50V</td></capacitor<>	₹>				C517	1-130-480-00	FILM	0.0056μF	5%	50V
0704	4 400 444 00	0554440	0 0047 5	- 400/	0101	C518	1-163-245-11	CERAMIC CHIP		5%	50V
C701 C710	1-162-114-00		0.0047μF		2KV	CE40	1 100 000 11	(PVM-8042Q,		-	,
C/10	1-161-830-00	CERAMIC	0.0047μF	99%	500V	C519 C520	1-126-963-11 1-163-129-00	CERAMIC CHIP	4.7μF 330PF	20% 5%	50V 50V
	<connecto< td=""><td>R></td><td></td><td></td><td></td><td>C521</td><td>1-107-906-11</td><td>ELECT</td><td>10μF</td><td>20%</td><td>50V</td></connecto<>	R>				C521	1-107-906-11	ELECT	10μF	20%	50V
						C523	1-106-363-00		0.0068μF		100V
		PLUG, CONNE		DITOLI	\ 45	C524	1-102-116-00		680PF	10%	50V
		PIN, CONNECT PLUG, CONNE	,	PITCH) 1P	C525 C526	1-102-820-00 1-102-074-00		330PF 0.001μF	5% 10%	50V 50V
						C527	1-107-910-11	ELECT	100μF	20%	50V
	<coil></coil>					C528	1-102-125-00	CERAMIC	0.0047μF		50V
						C529	1-107-909-11		47μF	20%	50V
L701	1-410-668-11	INDUCTOR 27µ	ιH			C530 C531	1-163-097-00 1-131-370-00	CERAMIC CHIP TANTALUM	9 15PF 6.8μF	5% 10%	50V 16V
	<resistor></resistor>	•				C532	1-107-914-11		1000μF	20%	25V
R701	1-202-822-00	SOLID	2.2K	20%	1/2W	C533 C534	1-126-963-11 1-107-713-11		4.7μF 4.7μF	20% 20%	50V 50V
R701	1-202-822-00		2.2K 2.2K	20%	1/2W	C535	1-136-161-00		4.7μF	5%	50V 50V
R703	1-202-822-00		2.2K	20%	1/2W	C536	1-126-963-11		4.7μF	20%	50V
R704	1-202-838-00		100K	20%	1/2W						
R706	1-202-842-11	SOLID	220K	20%	1/2W	C537	1-107-894-11	ELECT	220μF	20%	35V
						C538	1-126-967-11		47μF	20%	50V
R707	1-202-838-00	SOLID	100K	10%	1/2W	C539	1-136-113-00		2μF	5%	200V
						C540 C541		CERAMIC CHIP		10%	50V 50V
	<variable f<="" td=""><td>RESISTOR></td><td></td><td></td><td></td><td>C541</td><td>1-103-033-00</td><td>(PVM-8042Q,</td><td>•</td><td>42QM,</td><td></td></variable>	RESISTOR>				C541	1-103-033-00	(PVM-8042Q,	•	42QM,	
RV701	1-230-164-00	RES, ADJ, MET	AL GLAZE	55M		C542	1-126-935-11	ELECT	470μF	20%	16V
		, =-				C545	1-126-933-11		100μF	20%	16V
						C546	1-126-964-11	ELECT	10μF	20%	50V
						C547	1-126-964-11		10μF	20%	50V
*******		*********		*****	*****	C548	1-126-964-11		10μF	20%	50V
	* A-1346-787-A	D BOARD, CO		00400	00450:5	C549	1-126-964-11		10μF	20%	50V
	* \ 1346 006 ^	(PVM-80420			,	C550	1-126-964-11		10μF	20%	50V
	* A-1346-806-A	D BOARD, CC		`	,	C551 C552	1-126-963-11 1-101-004-00		4.7μF 0.01μF	20%	50V 50V
						C552 C553	1-126-935-11		0.01μF 470μF	20%	16V



Ref.No.	Part No.	Description			Remark	Ref.No.	Part No.	Description	Remark
C563	1-137-353-11	MYLAR	0.047μF	10%	100V	CN600	* 1-564-001-11	PIN, CONNECTOR 2P	
C564		CERAMIC CHIP		10%	50V			,	
C567	1-107-906-11	ELECT	10μF	20%	50V				
C568	1-130-736-11	FILM	0.01μF	5%	50V		<diode></diode>		
C569	1-136-479-11	FILM	0.001μF	5%	50V				
						D501	8-719-404-49	DIODE MA111	
C570		CERAMIC CHIP		5%	50V	D502		DIODE MA111	
C571	1-126-971-11		470μF	20%	50V	D503	8-719-404-49	DIODE MA111	
C572	1-101-004-00		0.01μF		50V	D504		DIODE MA111	
C574	1-136-481-11		0.0022μF		100V	D506	8-719-908-03	DIODE GP08D	
C575	1-136-481-11	MYLAR	0.0022μF	10%	100V			5,055,000	
0570	4 400 004 44	OEDAMIO OLUD	0.04 5		50)/	D507		DIODE MA111	
C578		CERAMIC CHIP	•	000/	50V	D508		DIODE MA111	
C831 C832	1-107-906-11 1-107-906-11		10μF 10μF	20% 20%	50V 50V	D511 D512		DIODE MA111	
C833		CERAMIC CHIP	•		50V 50V	D512 D514		DIODE MA111 DIODE MA111	
C834		CERAMIC CHIP		5%	50V 50V	D314	0-7 19-404-49	DIODE MATTI	
0004	1-103-121-00	OLIVAINIO OI III	1301 1	370	30 V	D520	8-719-800-76	DIODE 1SS226	
C835	1-163-209-00	CERAMIC CHIP	0.0015uF	5%	50V	D521		DIODE 1SS226	
C836	1-126-964-11		10μF	20%	50V	D831		DIODE MA111	
C837		CERAMIC CHIP			50V	D832		DIODE MA111	
C838	1-136-495-11		0.068µF		50V	D833		DIODE MA111	
C839	1-136-481-11		0.0022μF		100V			-	
			•			D834	8-719-404-49	DIODE MA111	
C840	1-163-209-00	CERAMIC CHIP	$0.0015 \mu F$	5%	50V	D835	8-719-109-89	DIODE RD5.6ESB2	
C841	1-163-209-00	CERAMIC CHIP	0.0015μF	5%	50V	D836	8-719-977-69	DIODE DTZ24B	
C843	1-107-901-11	ELECT	0.47μF	20%	50V	D848	8-719-800-76	DIODE 1SS226	
C844	1-107-901-11	ELECT	0.47μF	20%	50V	D1601	8-719-105-99	DIODE RD6.2M-B1	
C845	1-107-888-11	ELECT	47μF	20%	25V				
_						D1603		DIODE DTZ20B	
C846	1-107-906-11		10μF	20%	50V	D1606		DIODE ERC81-004	
C847	1-126-965-11		22μF		50V	D1607		DIODE ERC81-004	
C848	1-131-351-00		4.7μF	10%	35V	D1608		DIODE DTZ-TT11-5.6A	
C849		CERAMIC CHIP			50V	D1609	8-719-977-49	DIODE DTZ15B	
C1601	1-126-964-11	ELECT	10μF	20%	50V	D1610	0.710.404.40	DIODE MA111	
C1602	1-16/-161-11	CERAMIC CHIP	0 0022uE	10%	50V	D1610		DIODE MATTI	
C1602	1-111-108-11		0.0022μι 18μF	20%	50V	D1612		DIODE MA111	
C1604	1-115-842-11		0.001F	20%	50V	D1617		DIODE DTZ15B	
C1605	1-126-972-11	-	1000μF	20%	50V	D1618		DIODE DTZ15B	
C1606		CERAMIC CHIP	•		50V	Dioio	071007740	51052 512105	
			•			D1620	8-719-801-78	DIODE 1SS184	
C1607	1-126-964-11	ELECT	10μF	20%	50V	D1621	8-719-510-12	DIODE D10SC4M	
C1608	1-126-965-11	ELECT	22μF	20%	50V	D1622	8-719-801-78	DIODE 1SS184	
C1609	1-163-009-11	CERAMIC CHIP	0.001μF	10%	50V	D1623	8-719-801-78	DIODE 1SS184	
C1610	1-126-963-11	ELECT	4.7μF	20%	50V	D1626	8-719-404-49	DIODE MA111	
C1611	1-104-668-11	ELECT	33μF	20%	35V				
_						D1627		DIODE MA111	
C1612	1-136-257-00		0.0039µF		50V	D1628		DIODE MA111	
C1613		CERAMIC CHIP		10%	50V	D1635		DIODE MA111	
C1614		CERAMIC CHIP	•	10%	50V	D1699	8-719-404-49	DIODE MA111	
C1615	1-107-901-11		0.47μF	20%	50V				
C1620	1-163-133-00	CERAMIC CHIP	470PF	5%	50V		FLICE		
C1621	1 162 117 00	CERAMIC CHIP	100DE	5%	50V		<fuse></fuse>		
C1621		CERAMIC CHIP		3%	50V 50V	E1601	A 1 522 777 21	FUSE, MICRO (SECONDARY) 1	25 // / / 25 / /
C1641	1-126-964-11		0.047μΓ 10μF	20%	50V 50V			FUSE, GLASS TUBE (H.B.C) 5A	
C1643	1-126-964-11		10μΓ 10μF	20%	50V	1 1002	A 1-002-7-77-11	(PVM-8042Q, 8045Q	
01040	1 120 004 11	LLLOI	ιομι	2070	001	F1602	1-576-232-11	FUSE, (H.B.C.) 5A/250V	, 50451 101)
								(PVM-9042QM,	, 9045QM)
	<connecto< td=""><td>)R></td><td></td><td></td><td></td><td></td><td></td><td>,</td><td>,</td></connecto<>)R>						,	,
a	== -	B1110							
		PLUG, CONNEC					<ic></ic>		
		PIN, CONNECTO				1050:	0.750.000.5	10.000005	
		PLUG, CONNEC				IC501	8-759-909-70		00450**
		PLUG, CONNEC				10500	0.750.400.00	(PVM-8042Q, 8045Q, 9042QM,	9045QM)
CN507	" I-004-511-11	PLUG, CONNEC	TOK 8P			IC502		IC UPC1377C	
CNEOO	* 1_500 007 14	PIN, CONNECTO	∩ ₽ /₽¢ ₽¢	JVDD/	3D	IC503	8-759-801-98		
		PLUG, CONNECTO		JAKU)	JF.	IC504 IC505	8-759-231-58		
CINOUS	1-004-000-11	I LOO, CONNEC	TON SP			10000	0-108-008-01	IC MC14538BF	

8-16 S MIC Chassis



Ref.No.	Part No.	Description Remark	Ref.No.	Part No.	Description		Remark
IC506	8-759-209-54	IC TC4S01F	Q1603	8-729-120-28	TRANSISTOR 2	2SC1623-L5L6	
IC507	8-759-209-69		Q1604		TRANSISTOR 2		
			Q1004	0-729-210-22	TRANSISTOR 2	23A1102-G	
IC831		IC BU4011BF-E2					
IC832		IC BU4070BF-E2	Q1605		TRANSISTOR 2		
IC833	8-759-009-51	IC MC14538BF	Q1606	8-729-133-42	TRANSISTOR 2	2SC2334-L	
			Q1607	8-729-120-28	TRANSISTOR 2	2SC1623-L5L6	
IC1601	8-759-510-73	IC BA10393F-E2	Q1608	8-729-120-28	TRANSISTOR 2	2SC1623-L5L6	
	0.000.00		Q1609		TRANSISTOR 2		
			Q1005	0 720 120 20	110 11000 1010 2	-001020 L0L0	
	CLUD COND	LICTOR	04040	0.700.400.00	TD ANCIOTOD	0004000 51.0	
	<chip cond<="" td=""><td>UCTUR></td><td>Q1610</td><td></td><td>TRANSISTOR 2</td><td></td><td></td></chip>	UCTUR>	Q1610		TRANSISTOR 2		
			Q1611		TRANSISTOR 2		
JR507	1-216-295-91	SHORT 0	Q1612	8-729-120-28	TRANSISTOR 2	2SC1623-L5L6	
		(PVM-8042Q, 8045Q, 9042QM, 9045QM)	Q1613	8-729-120-28	TRANSISTOR 2	2SC1623-L5L6	
JR510	1-216-295-91	SHORT 0	Q1614	8-729-120-28	TRANSISTOR 2	2SC1623-L5L6	
JR518	1-216-295-91	SHORT 0					
JR601	1-216-295-91		Q1615	9 720 216 22	TRANSISTOR 2	25 V 1162 C	
JR602	1-216-295-91	SHURTU	Q1616		TRANSISTOR 2		
			Q1617		TRANSISTOR 2		
			Q1618	8-729-216-22	TRANSISTOR 2	2SA1162-G	
	<coil></coil>		Q1619	8-729-120-28	TRANSISTOR 2	2SC1623-L5L6	i
L501	1-414-502-41	INDUCTOR 33mH	Q1620	8-720-120-28	TRANSISTOR 2	2501623-1 51 6	
L502		INDUCTOR 15µH	Q1020	0 723 120 20	TIVAL VOICE OIL 2	2001023 2320	
L503		INDUCTOR 381.4μH					
L506		INDUCTOR 27µH		<resistor></resistor>	•		
L1601	1-459-155-00	COIL (WITH CORE) 45µH					
			R501	1-216-089-91	RES.CHIP	47K 5%	6 1/10W
L1602	1-402-785-11	INDUCTOR 600µH			,	8045Q, 9042C	
L1603		FERRITE 1.1μH	R502	1-216-089-91		47K 5%	
L1003	1-410-391-21	rekkire i.imi	K302	1-210-009-91			
					,	8045Q, 9042C	. ,
			R503	1-249-437-11		47K 5%	
	<transistc< td=""><td>OR></td><td></td><td></td><td>(PVM-8042Q,</td><td>8045Q, 90420</td><td>QM, 9045QM)</td></transistc<>	OR>			(PVM-8042Q,	8045Q, 90420	QM, 9045QM)
			R504	1-216-073-00	RES,CHIP	10K 5%	6 1/10W
Q501	1-801-806-11	TRANSISTOR DTC144EKA-T146	R505	1-249-393-11	CARBON	10 5%	6 1/4W F
۵00.		(PVM-8042Q, 8045Q, 9042QM, 9045QM)	11000	. = .0 000	0,		.,
0500	1 001 006 11	TRANSISTOR DTC144EKA-T146	DEOC	1 016 071 00	DEC CLUD	0.01/ 50/	4/40\\
Q502	1-001-000-11		R506	1-216-071-00		8.2K 5%	
_		(PVM-8042Q, 8045Q, 9042QM, 9045QM)	R507	1-216-059-00		2.7K 5%	
Q503	8-729-901-06	TRANSISTOR DTA144EK	R508	1-216-085-00	RES,CHIP	33K 5%	6 1/10W
		(PVM-8042Q, 8045Q, 9042QM, 9045QM)	R509	1-216-687-11	METAL CHIP	33K 0.5	50% 1/10W
Q504	1-801-806-11	TRANSISTOR DTC144EKA-T146	R510	1-216-683-11	METAL CHIP	22K 0.5	50% 1/10W
		(PVM-8042Q, 8045Q, 9042QM, 9045QM)					
Q505	8-720-120-28	TRANSISTOR 2SC1623-L5L6	R511	1-216-675-11	METAL CHIP	10K 0.5	50% 1/10W
Q303	0 723 120 20	TRANSIST SIX 200 1023 E3E0	R512		METAL CHIP		50% 1/10W
0500	0.700.400.00	TD ANIOIOTOD 0004000 I FLO			_		
Q508		TRANSISTOR 2SC1623-L5L6	R513	1-216-065-91		4.7K 5%	
Q509	8-729-120-28	TRANSISTOR 2SC1623-L5L6	R514	1-218-754-11	METAL CHIP	120K 0.5	50% 1/10W
Q512	8-729-120-28	TRANSISTOR 2SC1623-L5L6			(PVM-8042Q,	8045Q, 9042C	QM, 9045QM)
Q513	8-729-216-22	TRANSISTOR 2SA1162-G	R515	1-216-081-00	RÈS.CHIP	22K 5%	6 1/10W
Q514		TRANSISTOR 2SA1162-G	11010		,		.,
Q017	5 . LG Z 10 ZZ		R516	1-216-073-00	DES CHID	10K 5%	6 1/10W
0545	0 700 040 40	TDANCICTOD OCDAAOA C					
Q515		TRANSISTOR 2SD1134-C	R517		METAL CHIP		50% 1/10W
Q518		TRANSISTOR 2SC1623-L5L6	R518	1-249-422-11		2.7K 5%	
Q519	8-729-120-28	TRANSISTOR 2SC1623-L5L6	R519	1-216-085-00	RES,CHIP	33K 5%	6 1/10W
Q532	8-729-120-28	TRANSISTOR 2SC1623-L5L6	R520	1-216-677-11	METAL CHIP	12K 0.5	50% 1/10W
Q569		TRANSISTOR IMX1					
2000	5 5 5 5 7 2 0		R521	1-216-067-00	RES CHIP	5.6K 5%	6 1/10W
0570	0 700 004 00	TRANSISTOR DECADATIV			•		
Q570		TRANSISTOR DTC124EK	R522	1-216-107-00		270K 5%	
Q571		TRANSISTOR DTC124EK	_		,	8045Q, 90420	, ,
Q576	1-801-806-11	TRANSISTOR DTC144EKA-T146	R523	1-216-081-00	RES,CHIP	22K 5%	6 1/10W
Q579	8-729-920-48	TRANSISTOR IMH2	R524	1-216-049-91	RES,CHIP	1K 5%	6 1/10W
Q599		TRANSISTOR IMH2	R525		METAL OXIDE		
	0 020 10				27.1151	37	
0600	9 720 004 00	TDANISISTOD DTC424EI/	DEGE	1 216 070 00	DEC CHID	101/ 50	4/40\4/
Q600		TRANSISTOR DTC124EK	R526	1-216-079-00	•	18K 5%	
Q601		TRANSISTOR DTC124EK	R527	1-249-437-11		47K 5%	
Q833	8-729-216-22	TRANSISTOR 2SA1162-G	R528	1-216-073-00		10K 5%	
Q834	8-729-120-28	TRANSISTOR 2SC1623-L5L6	R529	1-216-073-00	RES,CHIP	10K 5%	6 1/10W
Q835		TRANSISTOR 2SC1623-L5L6	R530	1-216-089-91	•	47K 5%	
2000	5.20.20				0,0	37	., 1011
0000	0 700 055 40	TRANSISTOR OCCUPEA O	DE24	1 016 000 01	DEC CLUD	47V 50	4/40\4
Q836		TRANSISTOR 2SC2551-O	R531	1-216-089-91	,	47K 5%	
Q1601		TRANSISTOR 2SC1623-L5L6	1_			8045Q, 9042C	. ,
Q1602	8-729-120-28	TRANSISTOR 2SC1623-L5L6	R532	1-216-097-91	RES,CHIP	100K 5%	6 1/10W

S MIC Chassis



Ref.No.	Part No.	Description			Remark	Ref.No.	Part No.	Description			Remark
R533	1-216-089-91	RES,CHIP	47K	5%	1/10W	R835	1-216-081-00	RES.CHIP	22K	5%	1/10W
R534	1-216-097-91		100K	5%	1/10W						.,
R535	1-216-053-00		1.5K	5%	1/10W	R836	1-216-049-91	RES,CHIP	1K	5%	1/10W
						R837	1-216-075-00	RES,CHIP	12K	5%	1/10W
R536	1-212-881-11	FUSIBLE	100	5%	1/4W F	R838	1-216-049-91	RES,CHIP	1K	5%	1/10W
R537	1-215-867-00	METAL OXIDE	470	5%	1W F	R839	1-216-061-00	RES,CHIP	3.3K	5%	1/10W
R538	1-216-095-00	RES,CHIP	82K	5%	1/10W	R840	1-216-097-91	RES,CHIP	100K	5%	1/10W
R539	1-216-095-00	RES,CHIP	82K	5%	1/10W						
R540	1-216-101-00	RES,CHIP	150K	5%	1/10W	R841	1-216-093-00	- / -	68K	5%	1/10W
						R842	1-216-093-00	- / -	68K	5%	1/10W
R541	1-216-063-91	- , -	3.9K	5%	1/10W	R843	1-216-065-91	,	4.7K	5%	1/10W
R542	1-216-075-00		12K	5%	1/10W	R844	1-216-077-00	,	15K	5%	1/10W
R543	1-216-065-91		4.7K	5%	1/10W	R847	1-216-049-91	RES,CHIP	1K	5%	1/10W
R544	1-216-101-00		150K	5%	1/10W	Dono	4 040 005 00	DE0 01 11D	001/	5 0/	4 /4 0) 4 /
R545	1-216-033-00	RES,CHIP	220	5%	1/10W	R850	1-216-085-00		33K	5%	1/10W
DE40	4 040 004 00	DEC CLUD	FCI/	5%	1/10W	R851	1-216-669-11		5.6K		1/10W
R546 R547	1-216-091-00 1-216-121-91	,	56K 1M	5% 5%	1/10W	R852		METAL CHIP	10K		1/10W
R548	1-216-121-91		270K	5% 5%	1/10W	R853 R854	1-216-105-91	METAL CHIP	220K 120K	5%	1/10W 1/10W
R549	1-216-107-00	,	150K	5%	1/10W	1004	1-210-754-11	WILL FAL CITIF	1201	0.50 %	17 10 00
11343	1-210-101-00	INLO,OI III	1301	J /0	1/1000	R855	1-216-607-01	METAL CHIP	82K	0.50%	1/10W
R550	1-216-357-00	METAL OXIDE	4.7	5%	1W F	R856	1-216-699-11		100K		1/10W
R552	1-216-061-00		3.3K	5%	1/10W	R857		METAL CHIP	30K		1/10W
R553	1-216-689-11		39K	5%	1/10W	R858	1-216-061-00		3.3K	5%	1/10W
R554	1-216-073-00		10K	5%	1/10W	R859		METAL OXIDE	3.9K	5%	1W F
R555	1-216-077-00		15K	5%	1/10W		. 2.0 .00 00		0.0.1	0,0	
				- , ,	.,	R860	1-216-675-11	METAL CHIP	10K	0.50%	1/10W
R557	1-216-057-00	RES,CHIP	2.2K	5%	1/10W	R861		METAL CHIP	6.8K		1/10W
R558	1-216-049-91	RES,CHIP	1K	5%	1/10W	R862	1-216-675-11	METAL CHIP	10K		1/10W
R559	1-216-065-91	RES,CHIP	4.7K	5%	1/10W	R863	1-249-435-11	CARBON	33K	5%	1/4W F
R560	1-216-037-00	RES,CHIP	330	5%	1/10W	R1503	1-216-049-91	RES,CHIP	1K	5%	1/10W
R561	1-216-081-00	RES,CHIP	22K	5%	1/10W						
						R1504	1-216-695-11		68K	0.50%	1/10W
R562	1-216-053-00		1.5K	5%	1/10W	R1505	1-216-089-91		47K	5%	1/10W
R563	1-216-061-00		3.3K	5%	1/10W	R1506	1-216-667-11		4.7K		1/10W
R564	1-249-415-11		680	5%	1/4W F	R1507	1-216-081-00	·	22K	5%	1/10W
R565	1-216-059-00		2.7K	5%	1/10W	R1508	1-216-073-00	RES,CHIP	10K	5%	1/10W
D.500	4 040 005 04	(PVM-8042Q,			,	D.4500	4 040 005 04	DE0 01 11D	4 717	5 0/	4 /4 0) 4 /
R566	1-216-025-91	,	100	5%	1/10W	R1509	1-216-065-91	·	4.7K	5%	1/10W
		(PVM-8042Q,	8045Q, S	9042QIVI,	9045QIVI)	R1510	1-249-425-11 1-216-033-00		4.7K	5%	1/4W F
R567	1-216-095-00	DES CHID	82K	5%	1/10W	R1511 R1512	1-216-033-00		220 1K	5% 5%	1/10W 1/10W
R568	1-216-093-00		0∠K 3.9K	5% 5%	1/10W	R1512	1-216-049-91	·	47	5% 5%	1/10W
R569	1-216-063-91		3.9K	5%	1/10W	KISIS	1-210-017-91	KL3,CHIF	41	370	171000
R570	1-216-093-00		68K	5%	1/10W	R1519	1-216-025-91	RES CHIP	100	5%	1/10W
R571	1-216-089-91		47K	5%	1/10W	R1520	1-216-053-00		1.5K	5%	1/10W
				0,0	.,	R1601	1-216-685-11		27K	0.50%	
R572	1-216-095-00	RES.CHIP	82K	5%	1/10W	R1602		METAL CHIP	18K		1/10W
R573	1-216-063-91		3.9K	5%	1/10W	R1603	1-216-671-11		6.8K		1/10W
R574	1-216-063-91	RES,CHIP	3.9K	5%	1/10W						
R575	1-216-105-91	RES,CHIP	220K	5%	1/10W	R1604	1-249-433-11	CARBON	22K	5%	1/4W F
R576	1-216-109-00	RES,CHIP	330K	5%	1/10W	R1605	1-216-070-00	RES,CHIP	7.5K	5%	1/10W
						R1606	1-216-070-00	RES,CHIP	7.5K	5%	1/10W
R577	1-216-105-91	,	220K	5%	1/10W	R1607	1-216-071-00	·	8.2K	5%	1/10W
R578	1-249-457-71		6.8	5%	1/4W F	R1608	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R579	1-249-457-71		6.8	5%	1/4W F						
R589	1-216-101-00		150K	5%	1/10W	R1609	1-216-069-00	·	6.8K	5%	1/10W
5		(PVM-8042Q,		-	,	R1610	1-216-057-00		2.2K	5%	1/10W
R591	1-216-063-91	RES,CHIP	3.9K	5%	1/10W	R1611	1-216-057-00	•	2.2K	5%	1/10W
DEOO	1 016 000 00	DEC CLUD	220	F0/	1/10\\\	R1612		METAL OXIDE	220	5%	3W F
R592 R593	1-216-033-00 1-216-101-00		220 150K	5% 5%	1/10W 1/10W	R1613	1-216-025-91	KEO,UMIP	100	5%	1/10W
R593 R594	1-216-101-00		4.7K	5% 5%	1/10W	R1614	1-216-067-00	DEC CHID	5.6K	5%	1/10W
R600	1-216-065-91	,	4.7K 6.8K	5% 5%	1/10W	R1614 R1615	1-216-067-00		5.6K 1.8K		1/10W 1/10W
R601	1-216-069-00		3.3K	5% 5%	1/10W	R1616	1-216-629-11		1.or 120	0.50%	
11001	1 2 10 001 00		0.01	J /0	1, 10 4 4	R1617		METAL CHIP	2.2K		1/10W
R831	1-216-049-91	RES.CHIP	1K	5%	1/10W	R1618	1-216-073-00		10K	5%	1/10W
R832	1-216-075-00		12K	5%	1/10W		0 0 0 0 00	0,0,		J / 0	.,
R833	1-216-065-91		4.7K	5%	1/10W	R1620	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R834	1-216-059-00		2.7K	5%	1/10W	R1621	1-216-073-00	,	10K	5%	1/10W
						•					

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Ref.No.	Part No.	Description			Remark	Ref.No.	Part No.	Description	Remark
R1622	1-216-073-00	DES CHID	10K	5%	1/10W	RV517	1 2/1 760 11	RES. ADJ. CARBON 470	
			10K		1/10W	_		RES, ADJ, CARBON 4.7K	
R1623	1-216-073-00			5%		RV518	1-241-703-11	RES, ADJ, CARBON 4.7K	
R1624	1-216-246-00	RES,CHIP	100K	5%	1/8W	D) (00 4	4 000 007 00	DEC. AD METAL OLATE 4001/	
5						RV831		RES, ADJ, METAL GLAZE 100K	
R1625	1-216-061-00		3.3K	5%	1/10W	RV832		RES, ADJ, CERMET 10K	
R1626	1-216-065-91		4.7K	5%	1/10W	■ RV833 ∠		RES, ADJ, METAL GLAZE 47K	
R1627	1-216-049-91		1K	5%	1/10W			RES, ADJ, CERMET 2.2K	
R1628	1-216-073-00	RES,CHIP	10K	5%	1/10W	RV1602	1-241-761-11	RES, ADJ, CARBON 1K	
R1629	1-216-683-11	METAL CHIP	22K	0.50%	1/10W				
						■ RV1603⁄	\triangle	RES, ADJ, METAL GLAZE 47K	
R1630	1-216-683-11	METAL CHIP	22K	0.50%	1/10W				
R1631	1-216-057-00		2.2K	5%	1/10W				
R1632	1-216-042-00		510	5%	1/10W		<relay></relay>		
R1633	1-216-109-00	,	330K	5%	1/10W		NELAT >		
						DV4604	1 755 000 11	DELAY DOWED	
R1634	1-216-099-00	KES,CHIP	120K	5%	1/10W	RTIOUI	1-755-022-11	RELAY, POWER	
5									
R1635	1-216-097-91		100K	5%	1/10W				
R1636	1-216-073-00	RES,CHIP	10K	5%	1/10W		<transfor< td=""><td>MER></td><td></td></transfor<>	MER>	
R1640	1-216-063-91	RES,CHIP	3.9K	5%	1/10W				
R1641	1-216-073-00	RES,CHIP	10K	5%	1/10W	T1601	1-437-216-11	TRANSFORMER, DRIVE	
R1642	1-216-073-00	RES,CHIP	10K	5%	1/10W				
		,							
R1643	1-216-069-00	RES.CHIP	6.8K	5%	1/10W				
R1644	1-216-069-00		6.8K	5%	1/10W	*******	*********	***********	******
R1645	1-216-073-00	,	10K	5%	1/10W				
	1-216-073-00			5%	1/10W		* A 1070 E40 A	MOUNTED DWD 11A	
R1646		,	10K				* A-1372-542-A	MOUNTED PWB, HA ************************************	
R1647	1-216-685-11	METAL CHIP	27K	0.50%	1/10W			*****	
D.10.10	4 040 000 00	DE0 01 11D	0.017	5 0/	4 /4 0) 4 /		* 4 0 40 000 00	1101.050.150	
R1648	1-216-069-00		6.8K	5%	1/10W		* 4-348-208-00	HOLDER, LED	
R1649	1-216-069-00	,	6.8K	5%	1/10W				
R1650	1-216-069-00		6.8K	5%	1/10W				
R1651	1-216-069-00	RES,CHIP	6.8K	5%	1/10W		<capacitor< td=""><td>₹></td><td></td></capacitor<>	₹>	
R1652	1-216-069-00	RES,CHIP	6.8K	5%	1/10W				
						C001	1-163-038-91	CERAMIC CHIP 0.1µF 25V	
R1653	1-216-069-00	RES,CHIP	6.8K	5%	1/10W	C002	1-163-038-91	CERAMIC CHIP 0.1µF 25V	
R1654	1-216-681-11	METAL CHIP	18K	0.50%	1/10W			·	
R1655	1-216-081-00		22K	5%	1/10W				
R1656		METAL CHIP	470		1/10W		<connecto< td=""><td>)R></td><td></td></connecto<>)R>	
R1657	1-216-081-00		22K	5%	1/10W		COOMILOTO		
111007	1 210 001 00	reco,orm	ZZIX	070	1710	CN001	1-506-478-11	PIN, CONNECTOR 13P	
R1658	1-216-063-91	RES CHIP	3.9K	5%	1/10W			PIN, CONNECTOR 10P	
R1659	1-216-049-91		1K	5%	1/10W			PIN, CONNECTOR 5P	
		,				CINOUS	1-304-004-11	TIN, CONNECTOR SI	
R1660		METAL CHIP	820		1/10W				
R1661	1-216-065-91	`	4.7K	5%	1/10W		DIODE		
R1691	1-216-073-00	RES,CHIP	10K	5%	1/10W		<diode></diode>		
D4000	4 040 004 00	DEC OLUD	001/	5 0/	4/40\4/	D004	0.740.000.05	DIODE CL DOMAC FO	
R1692	1-216-081-00		22K	5%	1/10W	D001		DIODE SLP281C-50	
R1693	1-216-061-00		3.3K	5%	1/10W	D002		DIODE RD3.6ESB1	
R1694	1-216-081-00		22K	5%	1/10W	D003	8-719-404-49	DIODE MA111	
R1695	1-216-061-00	RES,CHIP	3.3K	5%	1/10W				
R1696	1-216-073-00	RES,CHIP	10K	5%	1/10W				
							<ic></ic>		
	<variable f<="" td=""><td>RESISTOR></td><td></td><td></td><td></td><td>IC001</td><td>8-759-209-69</td><td>IC TC4S11F</td><td></td></variable>	RESISTOR>				IC001	8-759-209-69	IC TC4S11F	
RV501	1-238-019-11	RES, ADJ, CAR	BON 47K						
RV502	1-241-765-11	RES, ADJ, CAR	BON 22K				<chip cond<="" td=""><td>UCTOR></td><td></td></chip>	UCTOR>	
RV503	1-241-763-11	RES, ADJ, CER	MET 4.7K						
RV504	1-224-250-XX	RES, ADJ, MET	AL GLAZE	2.2K		JR003	1-216-295-91	SHORT 0	
RV505		RES, ADJ, CAR				JR006	1-216-295-91		
11.000	. 2-1-100-11	REO, ADO, OAN	-UIN 22U			JR007	1-216-295-91		
RV507	1 2/1 762 11	RES, ADJ, CAR	BUN 3 3K			311007	1 210 200 01	OHORT 0	
RV508		RES, ADJ, CAR		,			TD ANIOIOTO	20	
RV509		RES, ADJ, CAR					<transistc< td=""><td>JK></td><td></td></transistc<>	JK>	
RV511		RES, ADJ, CAR							
RV512	1-241-763-11	RES, ADJ, CAR	BON 4.7K			Q001	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
RV514		RES, ADJ, CAR							
RV515		RES, ADJ, CAR							
RV516	1-241-763-11	RES, ADJ, CER	MET 4.7K						

S MIC Chassis



Ref.No.	Part No.	Description			Remark	Ref.No.	Part No.	Description		Remark
	<resistor:< th=""><th>></th><th></th><th></th><th></th><th></th><th><capacitor< th=""><th>k></th><th></th><th></th></capacitor<></th></resistor:<>	>					<capacitor< th=""><th>k></th><th></th><th></th></capacitor<>	k>		
R001 R004 R006 R007 R008	1-247-713-11 1-216-081-00 1-216-049-91 1-216-049-91 1-216-061-00	RES,CHIP RES,CHIP RES,CHIP	1K 22K 1K 1K 3.3K	5% 5% 5% 5% 5%	1/4W 1/10W 1/10W 1/10W 1/10W	C1101 C1102 C1103 C1104 C1105	1-164-004-11 1-124-589-11 1-163-031-11	$\begin{array}{ccc} \text{CERAMIC CHIP } 0.1 \mu\text{F} & 1 \\ \text{ELECT} & 47 \mu\text{F} & 2 \\ \text{CERAMIC CHIP } 0.01 \mu\text{F} & \end{array}$	5% 10% 20%	50V 25V 16V 50V 50V
R009 R010	1-216-049-91 1-216-057-00	RES,CHIP	1K 2.2K	5% 5%	1/10W 1/10W	C1106 C1107 C1108 C1109	1-163-101-00 1-164-004-11 1-163-119-00	CERAMIC CHIP 22PF 5 CERAMIC CHIP 0.1µF 1	5% 10% 5%	50V 50V 25V 50V 50V
	<variable i<="" td=""><td>RESISTOR></td><td></td><td></td><td></td><td>C1110</td><td></td><td>•</td><td>5%</td><td>50V</td></variable>	RESISTOR>				C1110		•	5%	50V
RV001 RV002 RV003 RV004 RV005	1-225-385-11 1-225-385-11 1-225-385-11	RES, VAR, CAR RES, VAR, CAR RES, VAR, CAR RES, VAR, CAR RES, VAR, CAR	BON 20K BON 20K BON 20K			C1111 C1112 C1113 C1114 C1115	1-126-160-11 1-163-119-00 1-163-103-00	CERAMIC CHIP 120PF 5 CERAMIC CHIP 27PF 5	10% 20% 5% 5% 10%	50V 50V 50V 50V 25V
RV006 RV007 RV008 RV009 RV010	1-226-773-11 1-226-773-11 1-226-773-11	RES, VAR, CAR RES, ADJ, MET RES, ADJ, MET RES, ADJ, MET RES, ADJ, MET	AL GLAZE AL GLAZE AL GLAZE	22K 22K		C1116 C1117 C1118 C1119 C1120	1-124-589-11 1-164-004-11 1-163-020-00	$\begin{array}{ccc} ELECT & 47 \mu F & 2 \\ CERAMIC CHIP 0.1 \mu F & 1 \\ CERAMIC CHIP 0.0082 \mu F & 1 \\ \end{array}$	5% 20% 10% 10%	50V 16V 25V 50V
RV011 RV012		RES, ADJ, MET RES, ADJ, MET				C1121 C1122 C1123 C1130	1-163-222-11 1-163-097-00	CERAMIC CHIP 5PF 0.25PF CERAMIC CHIP 15PF 5	5% = 5%	50V 50V 50V 50V
	<switch></switch>					C1131			5%	50V
S001 S002 S003 S004 S005	1-554-419-00 1-554-419-00 1-554-419-00	SWITCH, PUSH SWITCH, PUSH SWITCH, PUSH SWITCH, PUSH SWITCH, PUSH	(1 KEY) (1 KEY) (1 KEY)			CN1101*	<connectc< td=""><td>R> CONNECTOR, BOARD TO I</td><td>BOAR</td><td>D 12P</td></connectc<>	R> CONNECTOR, BOARD TO I	BOAR	D 12P
S006 S007 S008	1-572-522-11	SWITCH, PUSH SWITCH, PUSH SWITCH, PUSH	(1 KEY)			D1101 D1102		DIODE MA111 DIODE MA111		
******	*****	******	*****	*****	*****		<ic></ic>			
	*1-641-724-1	1 PC BOARD, X				IC1101	8-752-056-67	IC CXA1214P		
							<coil></coil>			
CN21	<connecto *="" 1-564-518-11<="" td=""><td>DR> PLUG, CONNEC</td><td>CTOR 3P</td><td></td><td></td><td>L1101 L1102 L1103 L1104 L1110</td><td>1-404-496-00 1-404-496-00 1-408-605-31</td><td></td><td></td><td></td></connecto>	DR> PLUG, CONNEC	CTOR 3P			L1101 L1102 L1103 L1104 L1110	1-404-496-00 1-404-496-00 1-408-605-31			
	<diode></diode>					L1111		INDUCTOR CHIP 15µH		
D21 D22 D23	8-719-023-78	DIODE SEL3810 DIODE SEL3810 DIODE SEL3810	DDLC05				<transistc< td=""><td>R></td><td></td><td></td></transistc<>	R>		
*****		**************************************	MPLETE	****	*****	Q1101 Q1102 Q1103 Q1104 Q1105	8-729-120-28 8-729-216-22 8-729-216-22	TRANSISTOR 2SA1162-G TRANSISTOR 2SC1623-L5L TRANSISTOR 2SA1162-G TRANSISTOR 2SA1162-G TRANSISTOR DTC144EK-T		
						Q1106 Q1107		TRANSISTOR DTC144EK-T TRANSISTOR 2SK94-X4	147	

8-20 S MIC Chassis



Ref.No.	Part No.	Description			Remark	Ref.No.	Part No.	Description			Rema	rk_
Q1108		TRANSISTOR 2	2SC1623-L	.5L6		C604 C605 C608	⚠1-161-741-51 ⚠1-161-741-51 1-162-599-12	CERAMIC	1000PF 1000PF 4700PF	10% 10% 20%	400V 400V 400V	
R1101 R1102	<resistor> 1-216-053-00 1-216-067-00</resistor>	RES,CHIP	1.5K 5.6K	5% 5%	1/10W 1/10W	C609 C610 C611	1-162-599-12 1-125-724-11 1-136-206-11	ELECT	4700PF 100MF 0.33MF	20% 20% 10%	400V 400V 630V	
R1103 R1104 R1105	1-216-059-00 1-216-073-00 1-216-031-00	RES,CHIP	2.7K 10K 180	5% 5% 5%	1/10W 1/10W 1/10W	C612 C613	1-107-909-11 1-136-169-00	FILM	47MF 0.22MF	20% 5%	50V 50V	
R1106 R1107	1-216-059-00 1-216-071-00	RES,CHIP	2.7K 8.2K 390	5% 5%	1/10W 1/10W	C614 C615 C616	1-136-169-00 1-130-471-00 1-130-479-91	FILM FILM	0.22MF 0.001MF 4700PF 220PF	5%	50V 50V 50V	
R1108 R1109 R1110	1-216-039-00 1-216-063-91 1-216-069-00	RES,CHIP	3.9K 6.8K	5% 5% 5%	1/10W 1/10W 1/10W	C651 C652 C653	1-161-825-11 1-111-065-11 1-126-969-11	ELECT	680MF 220MF	10% 20% 20%	500V 25V 35V	
R1111 R1112 R1113	1-216-065-91 1-216-059-00 1-216-069-00	RES,CHIP	4.7K 2.7K 6.8K	5% 5% 5%	1/10W 1/10W 1/10W	C654	1-130-483-91		0.01MF	5%	50V	
R1114 R1115	1-216-055-00 1-216-061-00	RES,CHIP	1.8K 3.3K	5% 5%	1/10W 1/10W	CN610	<connecto *="" 1-560-436-00<="" td=""><td></td><td>OR 3P</td><td></td><td></td><td></td></connecto>		OR 3P			
R1116 R1117 R1118	1-216-069-00 1-216-061-00 1-216-073-00	RES,CHIP	6.8K 3.3K 10K	5% 5% 5%	1/10W 1/10W 1/10W	CN651	* 1-564-518-11	PLUG,CONNEC	TOR 3P			
R1119 R1120	1-216-049-91 1-216-097-91	•	1K 100K	5% 5%	1/10W 1/10W	D601		DIODE D3SB60				
R1121 R1122 R1123	1-216-121-91 1-216-039-00 1-216-065-91	RES,CHIP RES,CHIP	1M 390 4.7K	5% 5% 5%	1/10W 1/10W 1/10W	D602 D603 D604	8-719-970-87 8-719-970-87	DIODE 1SS119- DIODE ERA38-0 DIODE ERA38-0	06 06			
R1124 R1125	1-216-029-00 1-216-029-00	RES,CHIP	150 150	5% 5%	1/10W 1/10W	D605 D651		DIODE RD20ES DIODE ESAC39				
R1126 R1127 R1128 R1129	1-216-053-00 1-216-043-91 1-216-049-91 1-216-091-00	RES,CHIP RES,CHIP	1.5K 560 1K 56K	5% 5% 5% 5%	1/10W 1/10W 1/10W 1/10W		<ic></ic>					
R1131 R1132	1-216-073-00 1-216-073-00	RES,CHIP	10K	5% 5%	1/10W 1/10W	IC601 IC651	1-809-086-12 8-759-908-15	IC CH-1018 IC TL431CLP				
R1133 R1134	1-216-073-00 1-216-091-00	RES,CHIP	10K 56K	5% 5%	1/10W 1/10W		<coil></coil>					
	<variable f<="" td=""><td>RESISTOR></td><td></td><td></td><td></td><td></td><td>⚠1-424-616-11 ⚠1-424-574-11 1-424-255-11</td><td>L.F.T COIL, CHOCKE</td><td>(MOLDE)</td><td>10μΗ</td><td></td><td></td></variable>	RESISTOR>					⚠1-424-616-11 ⚠1-424-574-11 1-424-255-11	L.F.T COIL, CHOCKE	(MOLDE)	10μΗ		
		RES, ADJ, CAR RES, ADJ, CAR				L652		COIL,CHOKE				
	<transfor< td=""><td>MER></td><td></td><td></td><td></td><td>PH601</td><td><photo cou<br="">8-719-159-90</photo></td><td>UPLER> PHOTO COUPL</td><td>ER PS265</td><td>52-P</td><td></td><td></td></transfor<>	MER>				PH601	<photo cou<br="">8-719-159-90</photo>	UPLER> PHOTO COUPL	ER PS265	52-P		
T1101	1-404-584-11	COIL					<transistc< td=""><td>)R></td><td></td><td></td><td></td><td></td></transistc<>)R>				
*******	******	*******	******	******	******	Q601	8-729-322-18	TRANSISTOR 2	SK1402A			
		G BOARD (SC					<resistor></resistor>					
	4-812-134-11	RIVET,NYLON				R601 R602 R603	1-216-411-11	METAL OXIDE METAL OXIDE METAL OXIDE	1.5	5% 5% 5%	5W 5W 2W	F F F
C602 A	<capacitof< td=""><td></td><td>0.22MF</td><td>20%</td><td>250V</td><td>R604 R605</td><td></td><td>METAL OXIDE</td><td></td><td>5% 5%</td><td>2W 1/4W</td><td>F</td></capacitof<>		0.22MF	20%	250V	R604 R605		METAL OXIDE		5% 5%	2W 1/4W	F
	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		1000PF		400V	R606	1-249-404-00	CARBON	82	5%	1/4W	

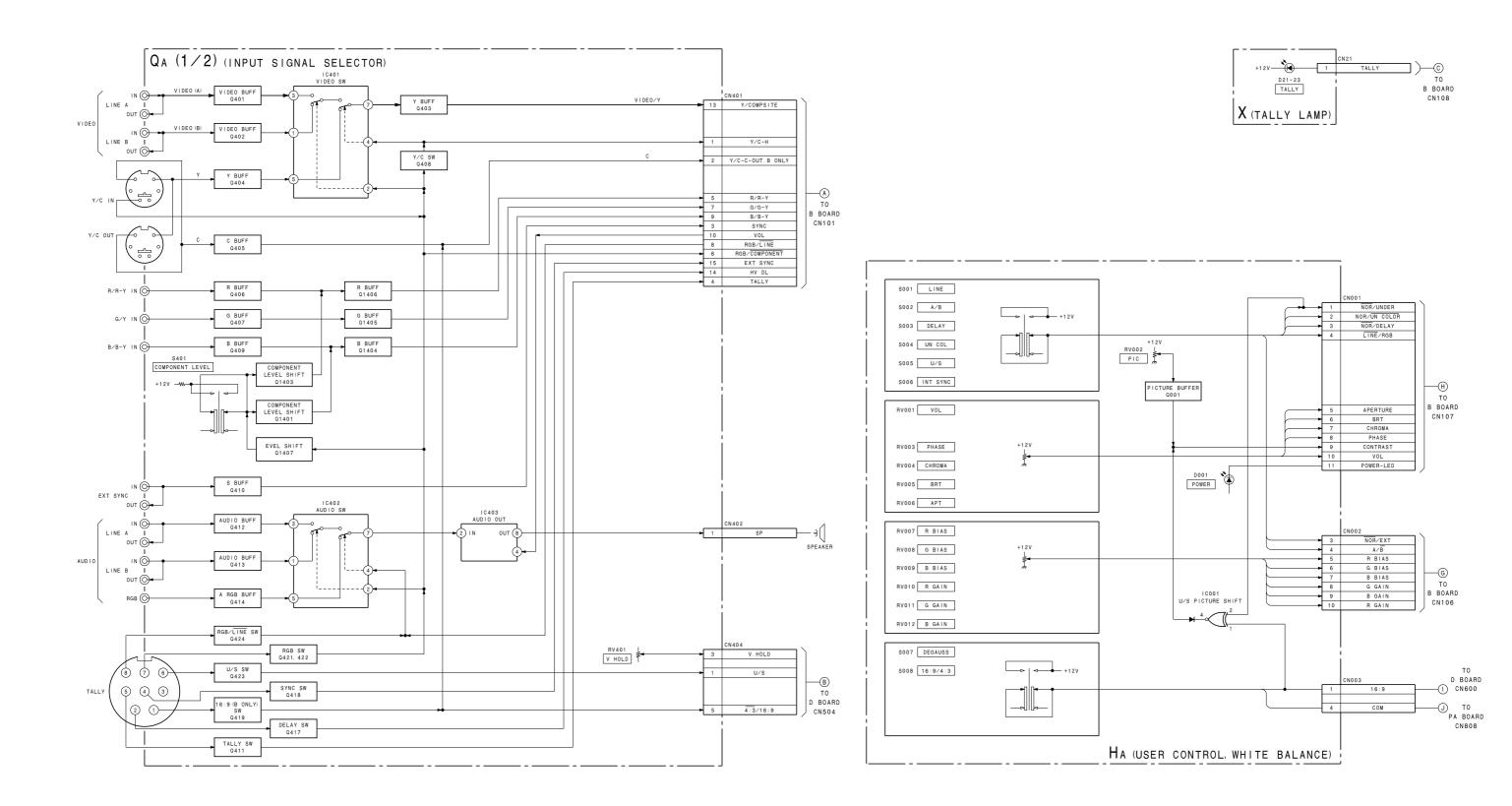
S MIC Chassis

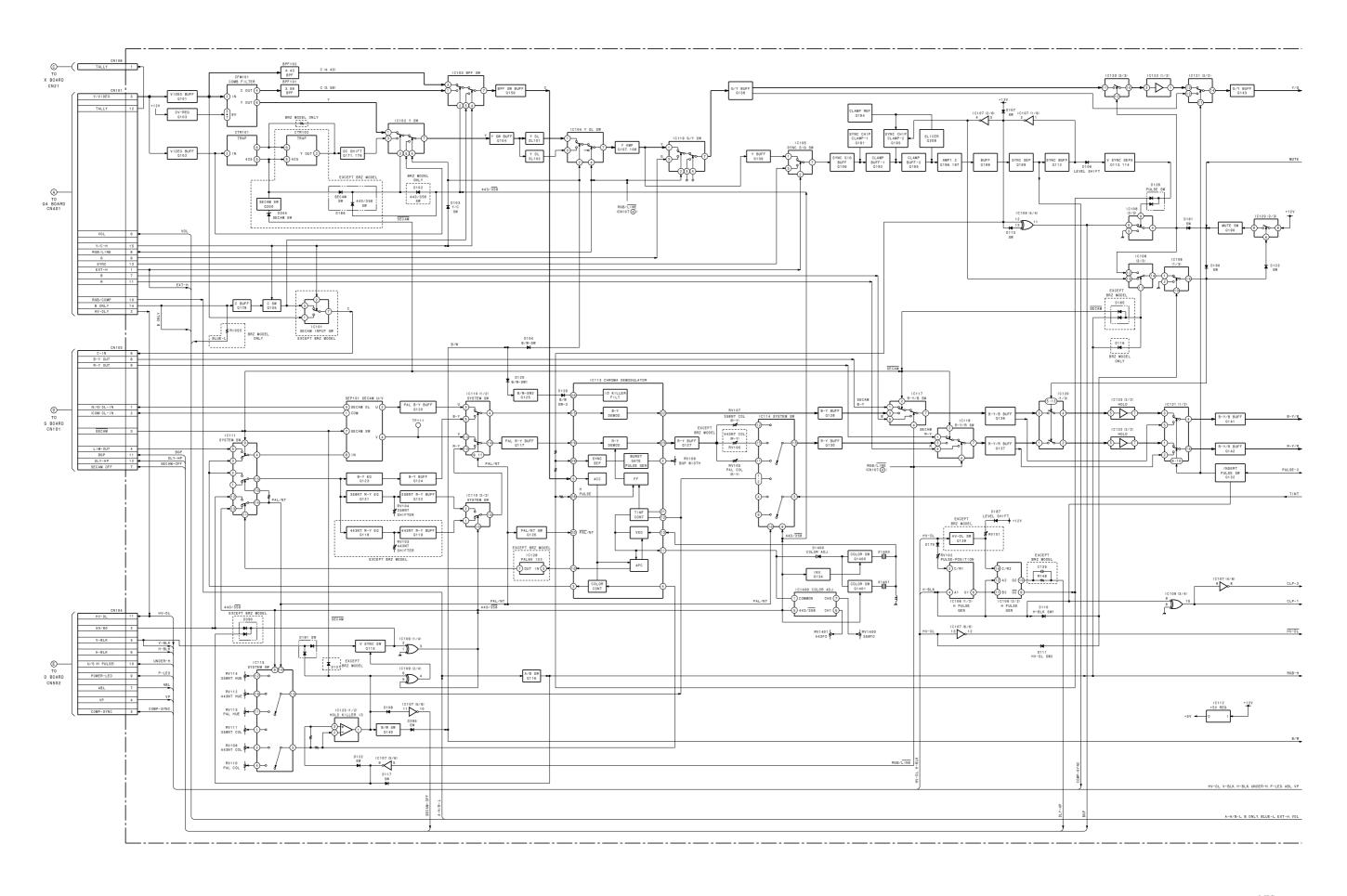


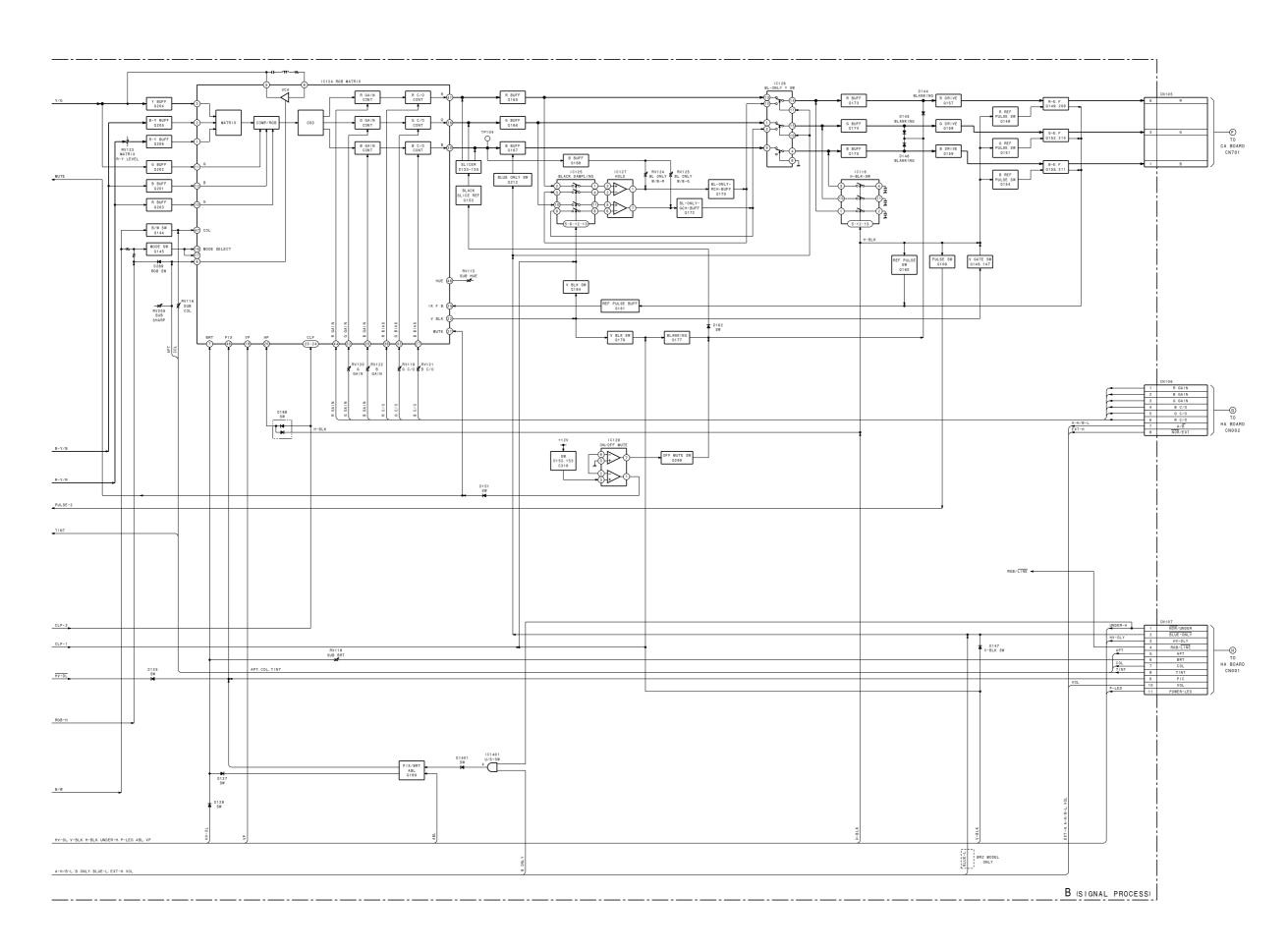
Ref.No.	Part No.	Description			Rema	ırk	Ref.No.	Part No.	Description	Remark
R607 R608 R609		CARBON METAL OXIDE		5% 5% 5%	1/2W 1/2W 2W	F	******	MISCELLANE		*****
R610	1-216-341-11	METAL OXIDE	0.22	10%	1/2W			*********	***	
R611 R612 R613 R614 R620	1-247-815-91	CARBON METAL OXIDE	220	5% 5% 5% 5% 5%	1/4W 1/4W 2W 1/4W 1W	F	<u> </u>	∆1-416-882-11 ∆1-451-319-22	SWITCHING REGULATOR COIL, DEMAGNETIC DEFLECTION YOKE (Y9FXC) PICTURE TUBE SD-167	
R651 R652 R653 R654 R655 R656 R657 R658		CARBON CARBON CARBON CARBON		5% 5% 5% 5% 5% 5% 5%	2W 2W 1/2W 1/2W 1/4W 1/4W 1/4W	F	Δ		(PVM-8042Q, 9042QM (AEP)) PICTURE TUBE 09FX (PVM-8045Q, 9042QM (AUS), 9045QM (AEP), 9045QM (AUS), 9045PM (BRZ))	
	<valiable r<="" td=""><td>RESISTOR></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></valiable>	RESISTOR>								
■ RV651	\triangle	RES,ADJ,CARE	ON	1K						
	<transfor< td=""><td>MER></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></transfor<>	MER>								
T601	1-450-760-12	TRANSFORME	R, CONVE	RTER						
******	********	*******	*******	*****	*****	*				
		ES AND PACKIN								
	2-990-241-02 2-990-242-01	CABLE (MINI D HOLDER (A), PI HOLDER (B), PI OPERATING IN (PVM-8042Q, 81 (ENGLISH, FRE	LÚG LUG STRUCTIO 045Q)							
	3-865-058-21	OPERATING IN (PVM-9042Q, 90 (ENGLISH, FRE ITALIAN, SPAN	STRÚCTIO 045QM) NCH, GEF	ONS [^]						
	3-865-341-11	OPERATING IN (PVM-9045PM)	ISTRUCTI	ONŚ						
	△1-765-718-11	PLATE, TALLY CORD SET, PO (PVM-8042Q, 80 CORD, POWER (250V/10.0A) (P CUSHION (UPF	045Q, 904 SUPPLY VM-9042G	5PM) (BS 3P QM, 904)					
		BAG, PROTECT	, ,	SY)						
							1			

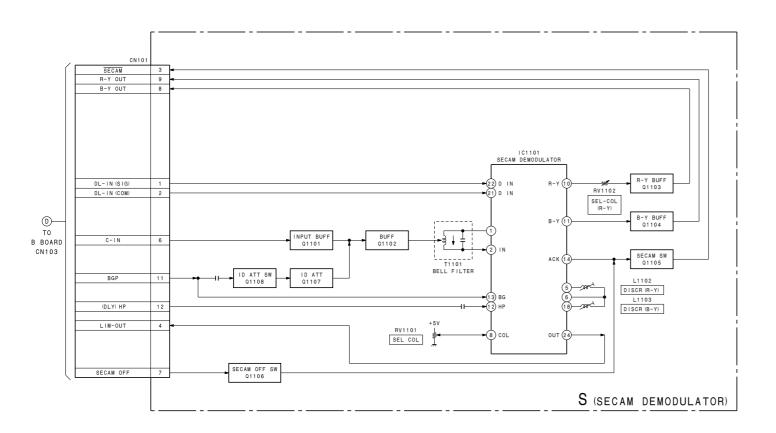
8-22 S MIC Chassis

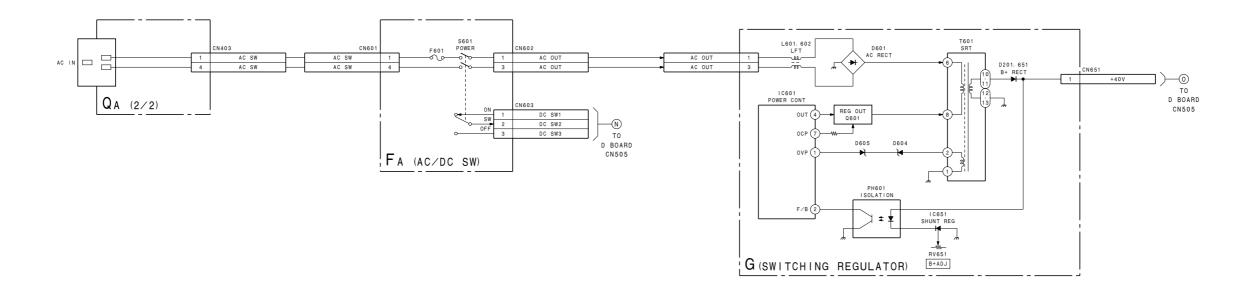
SECTION 9 BLOCK DIAGRAMS



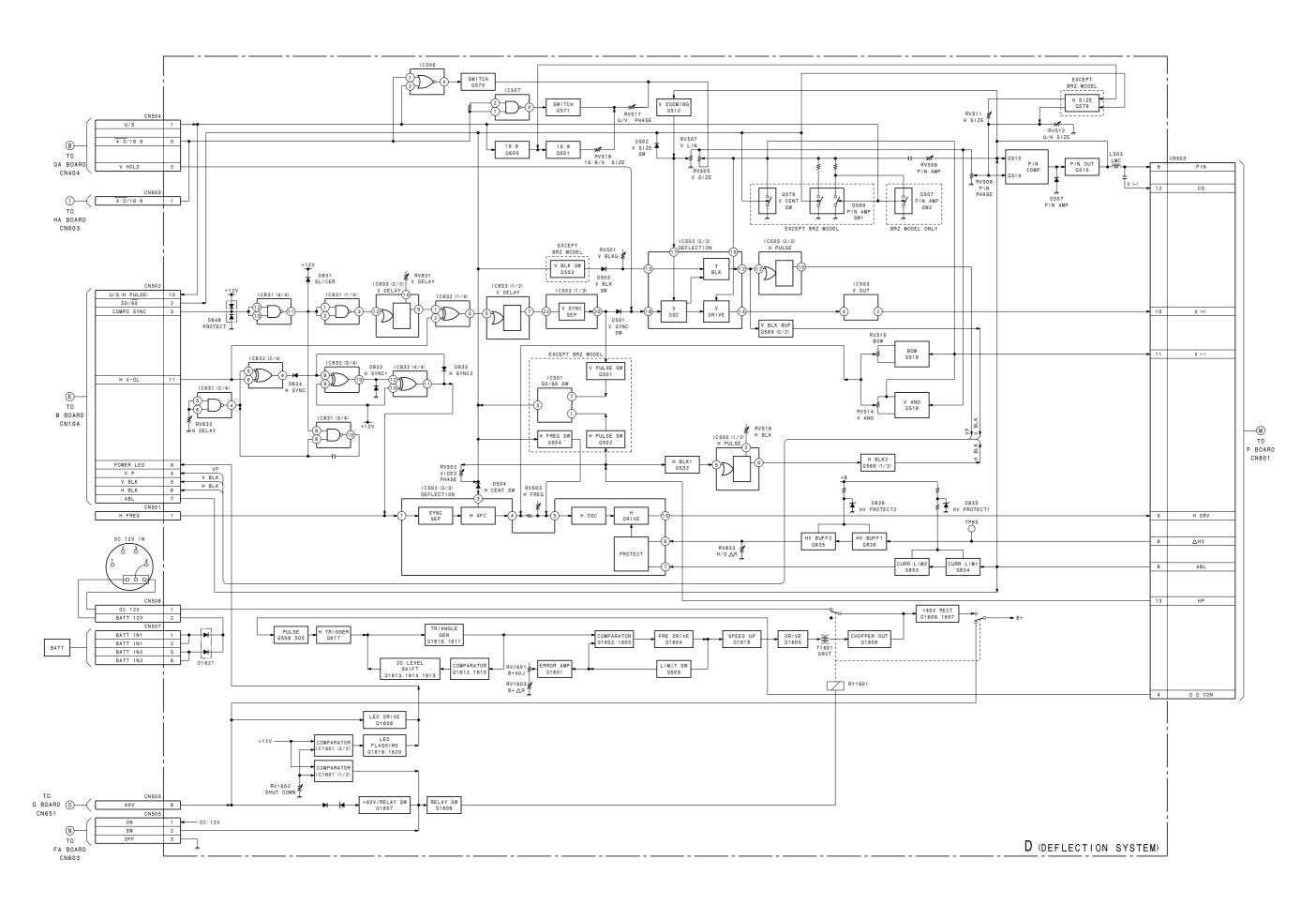




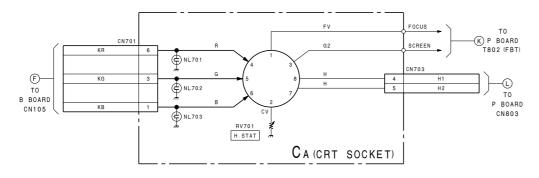


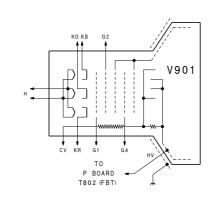


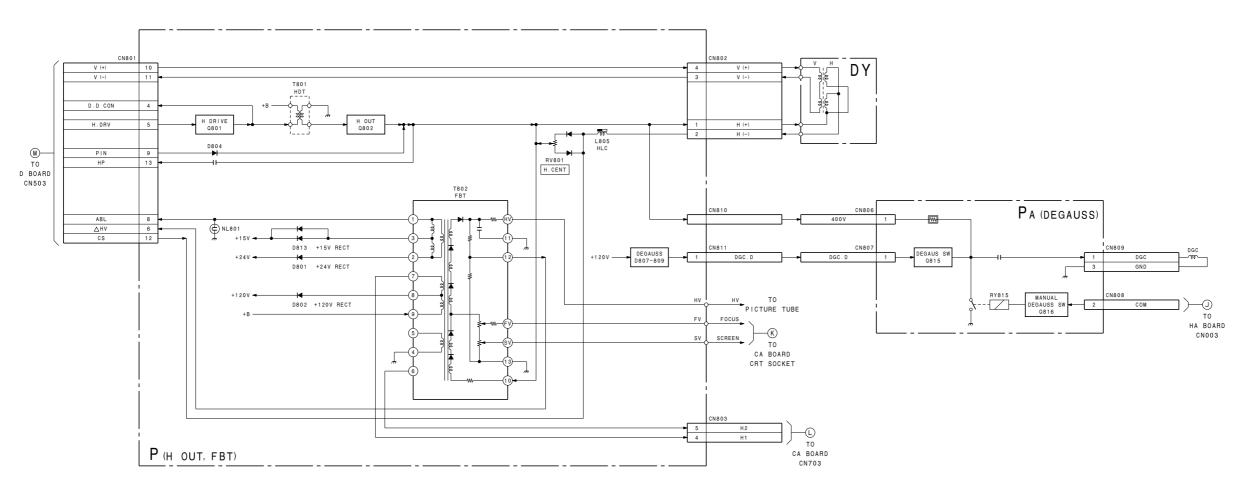
9-4 9-4 S MIC Chassis



9-5







SECTION 10 DIAGRAMS

S MIC Chassis 10-1 10-1

10-1. FRAME SCHEMATIC DIAGRAMS

1

2

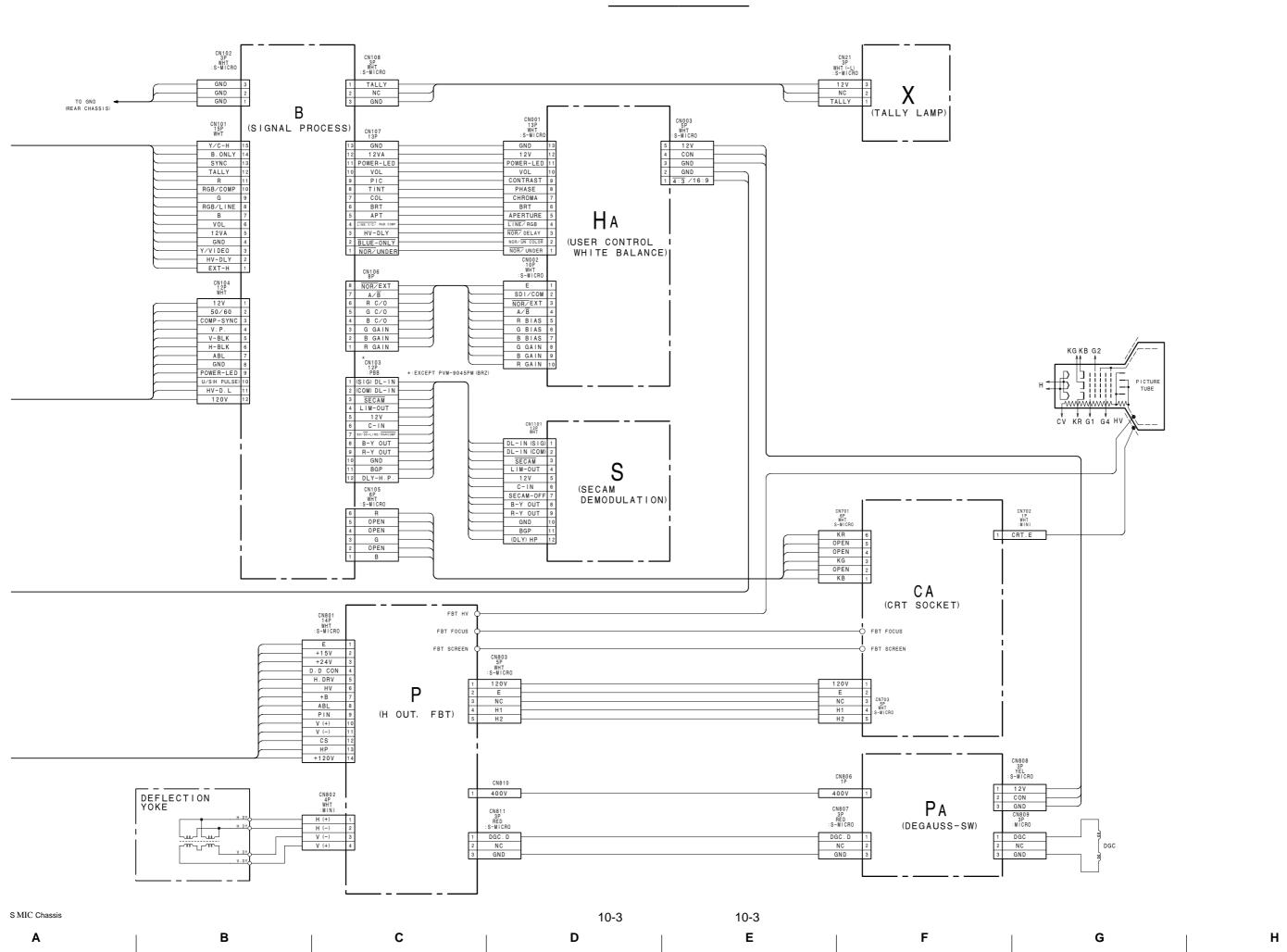
3

5

CN401 15P WHT-L :S-MICRO TO B BOARD COMPOSITI +12V 50/60 VOL B/B-Y 3 COMPO SYNC 8 RGB/LINE 5 V. BLK
6 H. BLK
7 ABL
8 GND
9 POWER LED
10 U/S (H. PULSE)
11 H. V-DL
12 +120V 7 G/G-Y
6 RGB/ COMPONENT
5 R/R-Y
4 TALLY DC . 1 2 V 1
BATT 1 2 V 2
NC 3 3 SYNC 2 Y/C-C-OUT. B OLY 1 Y/C-H CN505 6P WHT :S-MICRO 40V NC GND OFF SW ON CN610 3P :MINI AC SW 1
NC 2
NC 3
AC SW 4 1 AC OUT 2 NC 3 AC OUT AC OUT 1 NC 2 AC OUT 3 1 +40A 2 NC 3 E G 1 DC SW1 2 DC SW2 3 DC SW3 4 NC CN501 3P WHT :S-MICRO SWITCHING REGULATOR) LINE A OUT OUT SIGNAL I H. FREQ 1 NC 2 GND 3 FA (AC/DC SW) (DEFLECTION G/Y IN SELECTOR) SYSTEM) CN507 8P YEL :S-MICRO 1 4:3 /16:9 2 GND BATT IN 1 BATT IN 1 CN402 3P WHT-L :S-MICRO SPEAKER BATT IN 2
BATT IN 2 GND +15V SP GND (SP) GND BATTERY 2 +15V 3 +24V 4 D.D CON 5 H.DRV 6 HV 7 +B 8 ABL 9 PIN CN509 3P WHT :S-MICRO V (+) V (-) CS HP CN504 5P WHT :S-MICRO 1 U/S 2 15V 3 V.HOLD 4 E U/S 15V V.HOLD E 4:3/16:9 +120V B∕B-Y IN ⊙ 5 4:3 /16:9

10-2 10-2 S MIC Chassis

B C D E F G H



10-2. SCHEMATIC DIAGRAMS/PRINTED WIRING BOARDS

Note:

1

2

3

5

· All capacitors are in μF unless otherwise noted. PF: 50 WV or less are not indicated except for electorlytics.

- All electrolytics are in 50 V unless otherwise specified.
- · All resistors are in ohms, 1/4 W in resistance, 1/10 W in chip resistance.

 $k\Omega = 100$. $M\Omega = 1000 k\Omega$

- - : nonflammable resistor.
- Δ : internal component.
- : panel designation, or adjustment for repair.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- The "4-1. +B Voltage Check" and "4-2. Protection Circuit (Hold-down circuit) Check" should always be performed when replacing the following components (marked \square on the schematic diagram).

- 1			
	Board	Parts	▼ Parts
	D	C519, C843, C844, C845, C846, C847, C848, C1601, C1602, D835, D836, D1601, D1603, IC502, Q833, Q834, Q835, Q836, Q1601, Q1602, Q1603, R523, R850, R851, R852, R853, R854, R855, R856, R857, R858, R859, R860, R861, R862, R863, R1601, R1602, R1603, R1604, R1605, R1606, R1607, R1608, R1628, R1629, R1630, RV833, RV1601, RV1603	RV833, RV1603
	G	C654, IC601, IC651, PH601, R653, R655, R656, R657, RV651	RV651
	Р	C814, NL801, T802 (FBT)	

· Readings are taken with a color-bar signal input.

no mark : With PAL color-ber signal receved or common voltage.

) : With SECAM color-ber signal receved.

- > : With NTSC (3.58, 4.43) color-ber signal receved.
- Readings are taken with a 10 $M\Omega$ digital multimeter.
- · Voltage are dc with respect to ground unless otherwise noted.
- Voltage variations may be noted due to normal production tolerances.
- All voltages are in V.
- Circled numbers are waveform reference.

: B+ bus. : B- bus.

: signal path. \Rightarrow

: Measurement impossibility.

The components identified by mark ≜ are critical for safety. Replace only with part number specified.

Les composants identifies par une marque \triangle sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

Reference information

: RN METAL FILM RESISTOR

: RC SOLID

: FPRD NONFLAMMABLE CARBON : FUSE NONFLAMMABLE FUSIBLE : RS NONFLAMMABLE METAL OXIDE : RB NONFLAMMABLE CEMENT

: RW NONFLAMMABLE WIREWOUND

: LF-8L MICRO INDUCTOR COIL

CAPACITOR : TA TANTALUM

: PS STYROL

: PP POLYPROPYLENE

: PT MYLAR

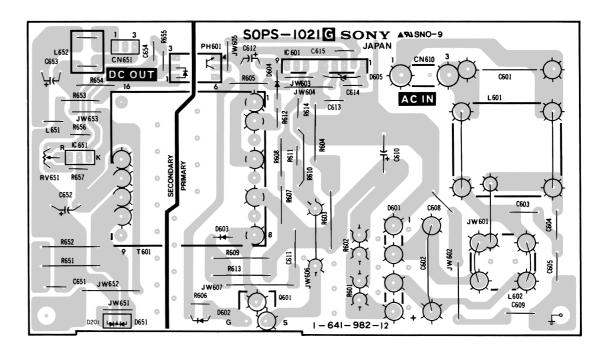
: MPS METALIZED POLYESTER : MPP METALIZED POLYPROPYLENE

: ALB BIPOLAR

: ALT HIGH TEMPERATURE

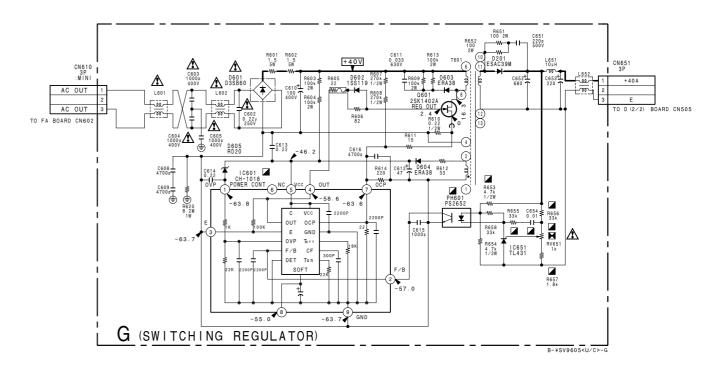
: ALR HIGH RIPPLE

G BOARD



G-B SIDE-SUFFIX: -12

Н



G

10-4 10-4 S MIC Chassis

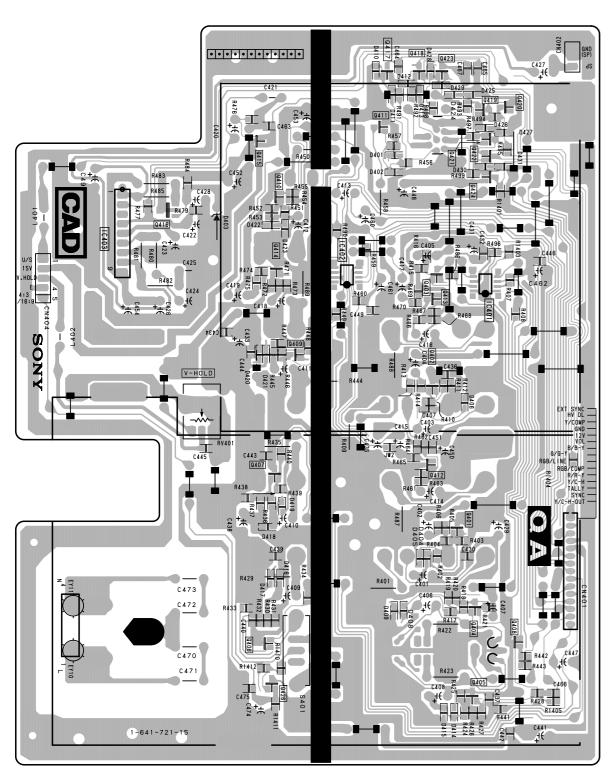
В

C

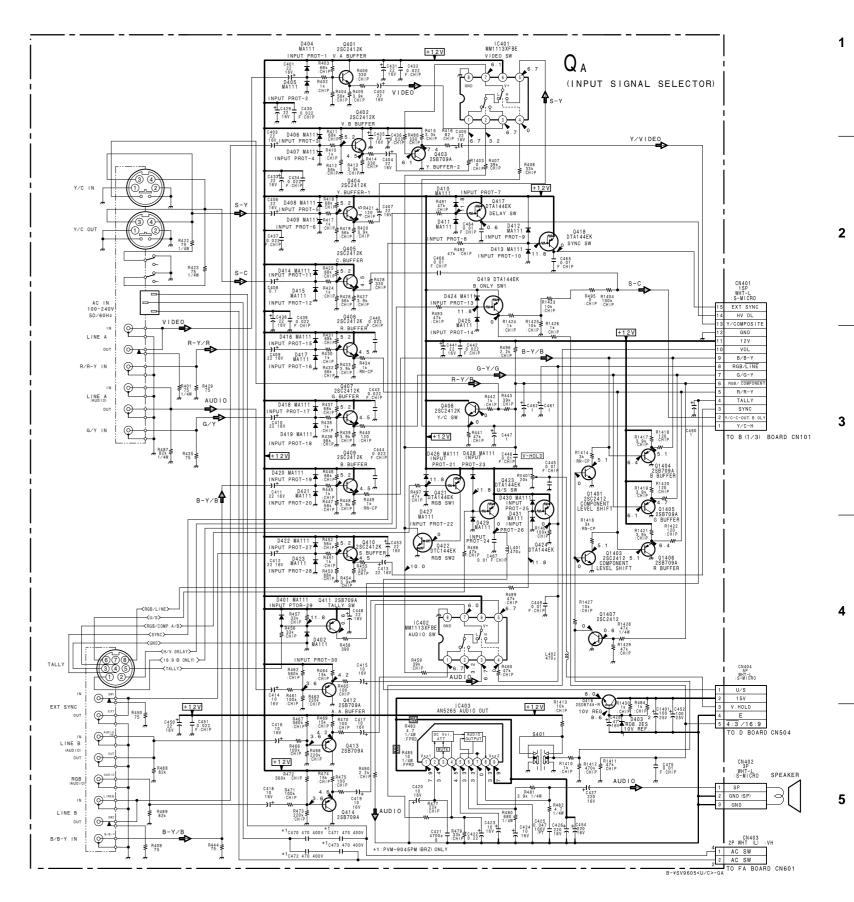
D

Ε

QA BOARD



QA -B SIDE-SUFFIX: -15



S MIC Chassis 10-5 10-5 В

С

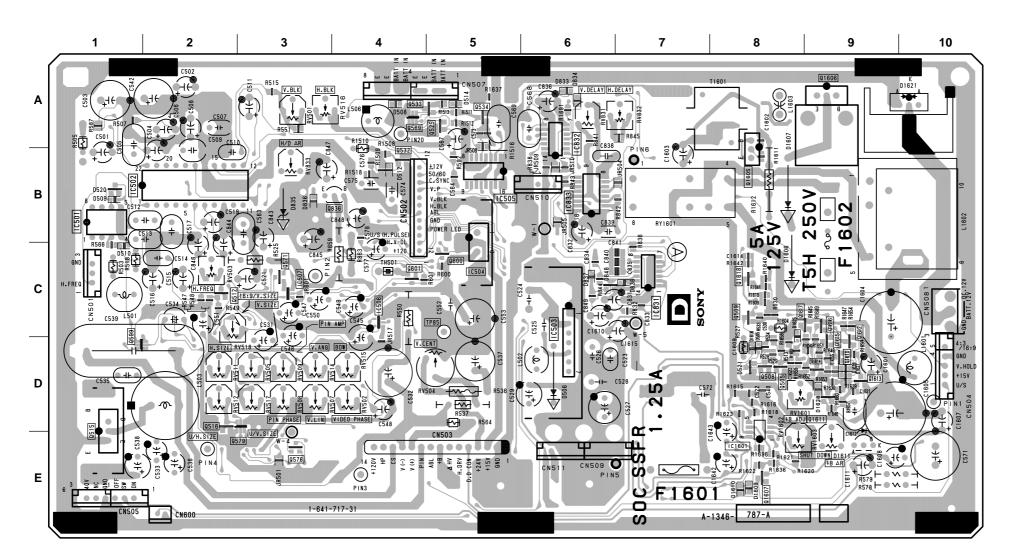
D

F

G

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D BOARD



D -A SIDE-SUFFIX: -31

D BOARD (A SIDE)

IC501 IC502 IC503 IC505 IC506 IC507 IC831 IC832 IC833 IC1601	B-1 B-1 C-6 B-5 C-4 C-3 C-7 A-6 B-6 E-8
Q505 Q508 Q509 Q512 Q515 Q516 Q516 Q532 Q533 Q534 Q571 Q576 Q579 Q525 Q599 Q601 Q836 Q1605 Q1605 Q1606 Q1607 Q1611 Q1612 Q1614 Q1615 Q1616 Q1617 Q1618	D-8 D-8 C-8 C-2 D-1 D-2 B-4 A-4 A-5 C-3 E-3 A-5 D-1 C-4 B-4 C-2 B-8 A-9 D-9 D-9 D-9 D-9 D-9 D-9 C-8 C-8
D506 D508 D509 D510 D514 D520 D521 D833 D834 D835 D836 D837 D1606 D1607 D1609 D1611 D1625 D1625 D1625 D1625 D1625	D-5 A-4 B-1 C-1 A-5 B-1 D-8 A-6 A-6 B-3 C-6 C-7 C-8 E-8 E-9 D-8 A-10 C-8 D-9 D-9
RV501 RV502 RV503 RV504 RV505 RV507 RV507 RV509 RV511 RV512 RV514 RV515 RV516 RV517 RV518 RV831 RV832 RV833 RV833 RV1601 RV1602 RV1603	A-3 D-4 C-2 D-5 D-3 D-4 D-3 D-2 D-2 D-4 A-4 D-3 C-2 A-6 A-7 B-3 D-8 E-8 E-9

D BOARD (B SIDE)

IC501 IC502 IC503 IC504 B-10 B-9 C-5 C-6 Q501 Q502 Q503 Q504 Q506 Q515 Q507 Q513 Q517 Q518 Q519 Q535 Q535 Q835 Q835 Q836 Q1601 Q1602 Q1603 Q1606 Q1608 Q1609 Q1619 Q1620 A-8 B-9 C-9 E-10 C-9 E-10 E-8 E-8 D-7 E-8 B-7 D-2 D-2 B-3 A-2 D-4 E-3 E-3 E-4

D501 D502 D503 D504 D505 D507 D511 D512 D513 D515 D589 D831 D835 D1601 D1602 D1603

D1610 D1611 D1612 D1613 D1614 D1615 D1617 D1618 D1620 D1621 D1622 D1635 D1699

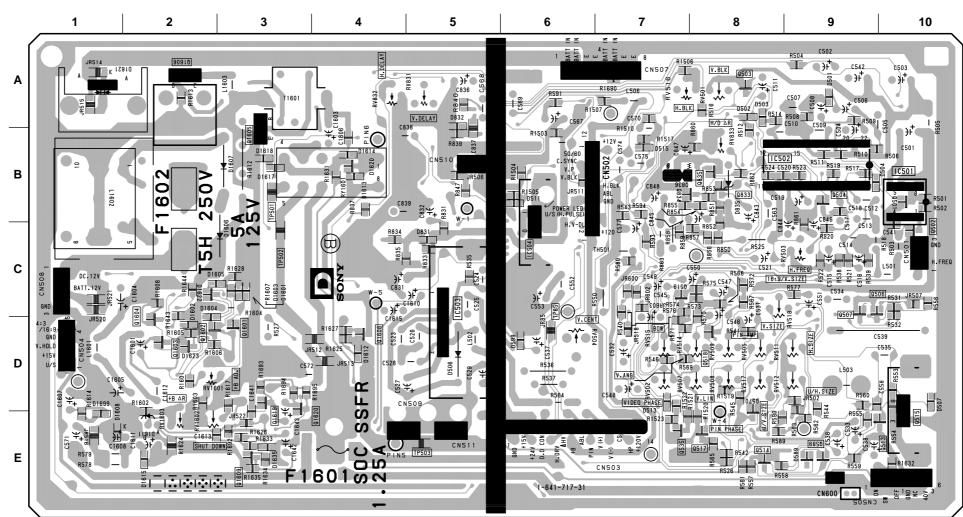
D1605 D1608 D1610

RV501 RV502 RV503 RV504 RV505 RV507 RV508 RV509 A-8 D-7 C-8 D-6 D-8 D-7 D-8 D-8 D-7 D-7 D-7 A-7 D-8 A-5 A-4 B-8 D-2 C-8 A-5 A-4 RV512 RV514

RV515 RV516 RV517 RV518 RV831 RV832 RV833 RV1601 RV1602 RV1603

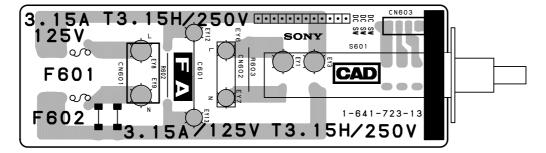
TP501 B-3 TP502 C-3 TP503 E-5

D BOARD

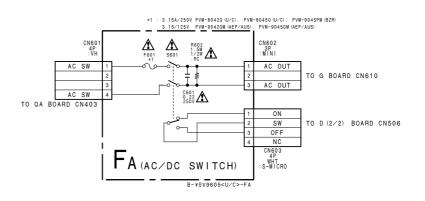


D -B SIDE-SUFFIX: -31

FA BOARD



FA -B SIDE-SUFFIX: -13



D (1/2) BOARD IC501 CX23025

1

2

3

5

8 BIT COUNTER 6 BIT COUNTER V DD (8)→ V ss 4

D (1/2) BOARD * MARK LIST

PVM-9045PM (BRZ) PVM-8042Q (U/C) PVM-8045Q (U/C) PVM-9042QM (AEP/AUS) PVM-9045QM (AEP/AUS)

47 16V NOT USED C501 C518 56P B: CHIP NOT USED 0.047 B: CHIP NOT USED C541 D520 MA157-TX NOT USED IC501 CX23025 NOT USED JR507 NOT USED SHORT 0 DTC144EKA-T146 NOT USED Q501 Q502 DTC144EKA-T146 NOT USED Q503 DTC144EKA-T147 NOT USED Q504 DTC144EKA-T146 NOT USED R501 47K :CHIP NOT USED R502 47K :CHIP NOT USED R503 47K NOT USED NOT USED R514 120K :RN R522 270K :CHIP NOT USED R531 47K :CHIP NOT USED R565 2.7K CHIP NOT USED R566 100 :CHIP NOT USED

D (1/2) BOARD WAVEFORMS

12V pp (V) 12V pp (H) 0.25 V pp (V) 0.67 V pp (V) 3.3V pp (V) 1.5 V pp (V) 1.4 V pp (V) 3.3V pp (V) 1.5 V pp (V) 1.4 V pp (V) 6.7 V pp (V) 1.5 V pp (V) 6.1 V pp (H) 4.4 V pp (H) 6.7 V pp (V) 1.5 V pp (V) 2.9 V pp (V) 1.1 V pp (V) 1.2 V pp (V) 1.2 V pp (V) 2.9 V pp (V) 3.2 V pp (V) 1.2 V pp (H) 3.2 V pp (V) 2.8 V pp (V) 0.36 V pp (H) 3.2 V pp (H) 2.8 V pp (V) 1.2 V pp (H) 3.3 V pp (V) 1.5 V pp (V) 1.5 V pp (V) 3.4 V pp (V) 1.5 V pp (V) 1.5 V pp (V) 3.5 V pp (V) 1.5 V pp (V) 1.5 V pp (V) 3.6 V pp (H) 1.5 V pp (V) 1.5 V pp (V) 3.7 V pp (V) 1.5 V pp (V) 1.5 V pp (V) 3.8 V pp (V) 1.5 V pp	1	2	3	4
(S) (B) (C) (D) (D) (D) (D) (D) (D) (D) (D) (D) (D				
3.8 V p p (V) 3.3 V p p (V) 1.5 V p p (V) 1.4 V p p (V) 6.7 V p p (V) 11.5 V p p (V) 6.1 V p p (H) 4.4 V p p (H) 1.1 V p p (H) 6.8 V p p (H) 3.2 V p p (V) 2.9 V p p (V) 1.2 V p p (V) 1.2 V p p (V) 2.8 V p p (V) 3.2 V p p (V) 3.3 V p p (V) 3.3 V p p (V) 3.4 V p p (V) 3.5 V p p (V) 3.5 V p p (V) 3.6 V p p (V) 3.6 V p p (V) 3.7 V p p (V) 3.8 V p p	12 V p-p (V)	12 V p-p (H)	0.25 V p-p (V)	0.67 V p-p (V)
(a) (b) (c) (c) (d) (d) (d) (d) (d) (d) (d) (d) (d) (d	(5)	6	7	8
(a) (b) (c) (c) (d) (d) (d) (d) (d) (d) (d) (d) (d) (d				
6.7 V pp (V) 11.5 V pp (V) 6.1 V pp (H) 4.4 V pp (H) (B) 1.1 V pp (H) 6.8 V pp (H) 3.2 V pp (V) 2.9 V pp (V) 1.2 V pp (V) 2.9 V pp (V) (C) (C) (C) (C) (C) (C) (C)	3.8 V p-p (V)	3.3 V p-p (V)	1.5 V p-p (V)	1.4 V p-p (V)
6.7 V p-p (V) 11.5 V p-p (V) 6.1 V p-p (H) 4.4 V p-p (H) 1.1 V p-p (H) 6.8 V p-p (H) 3.2 V p-p (V) 2.9 V p-p (V) 1.2 V p-p (V) 1.2 V p-p (V) 1.2 V p-p (H) 3.2 V p-p (H) 1.2 V p-p (H) 3.2 V p-p (H) 1.2 V p-p (H) 3.2 V p-p (H) 1.2 V p-p (H) 3.2 V p-p (V) 2.8 V p-p (V) 3.3 V p-p (V) 3.3 V p-p (H) 3.4 V p-p (V) 3.5 V p-p (V) 3.6 V p-p (H) 3.7 V p-p (V) 3.8 V p-p (V) 3.8 V p-p (V) 3.9 V p-p (V) 3.9 V p-p (V) 3.0 V	9	10	11)	12
(B) (B) (B) (B) (B) (C) (D) (D) (D) (D) (D) (D) (D) (D) (D) (D			mmm	M
1.1 V p-p (H) 6.8 V p-p (H) 3.2 V p-p (V) 2.9 V p-p (V) 1 V p-p (V) 1 V p-p (V) 1 12 V p-p (H) 1 12 V p-p (V)				
(B) (B) (B) (B) (A) (A) (A) (A) (A) (A) (A) (A) (A) (A	13	19	(15)	16
(B) (B) (B) (B) (A) (A) (A) (A) (A) (A) (A) (A) (A) (A	\mathcal{N}		m	
1 V p-p (V) 1 V p-p (H) 49 V p-p (V) 1.2 V p-p (V) 12 V p-p (H) 12 V p-p (H) 12 V p-p (H) 32 V p-p (H) 0.24 V p-p (V) 2.8 V p-p (V) 0.36 V p-p (H) 0.6 V p-p (H) 12 V p-p (V)	1.1 V p-p (H)	6.8 V p-p (H)	3.2 V p-p (V)	2.9 V p-p (V)
1 V p-p (V) 1 V p-p (H) 49 V p-p (V) 12 V p-p (V) 12 V p-p (H) 12 V p-p (H) 12 V p-p (H) 32 V p-p (H) 32 V p-p (H) 32 V p-p (H) 30 03 03 03 03 03 03 03 03 03 03 03 03 0	17	18	(19)	20
② ② ② ② ② ② ② ② ② ② ② ② ② ② ② ② ② ② ②				سس
12 V p-p (V) 12 V p-p (H) 12 V p-p (V) 2.8 V p-p (V) 0.36 V p-p (H) 12 V p-p (V) 13 SS 14 SS 15 SS 16 SS 16 SS 17 SS 18 S	1 V p-p (V)	1 V p-p (H)	49 V p-p (V)	1.2 V p-p (V)
(a) (b) (c) (c) (d) (d) (d) (d) (d) (d) (d) (d) (d) (d	21	22	23	24
(a) (b) (c) (c) (d) (d) (d) (d) (d) (d) (d) (d) (d) (d				
32 V p-p (H) 32 V p-p (H) 30 31 32 V p-p (H) 30 31 32 V p-p (V) 33 30 30 30 30 30 30 30 30 3				
0.6 V p-p (H) 12 V p-p (V) 12 V p-p (V) 12 V p-p (V) 38 38 38 38 38 38 38 38 38 38 38 38 38				
0.6 V p-p (H) 12 V p-p (V) 12 V p-p (V) 12 V p-p (V) 39 39 39 39 39 30 30 30 30 30 30 30 30 30 30 30 30 30				
12\/ p.p.(H)				
12 V 15 11 11 12 V 15 11 11 11 12 V 15 11 11 11 11 11 11 11 11 11 11 11 11	12 V p-p (H)	12 V p-p (H)	12 V p-p (V)	12 V p-p (H)

S MIC Chassis 10-8 10-8

Α

150K :CHIP

R589

В

NOT USED

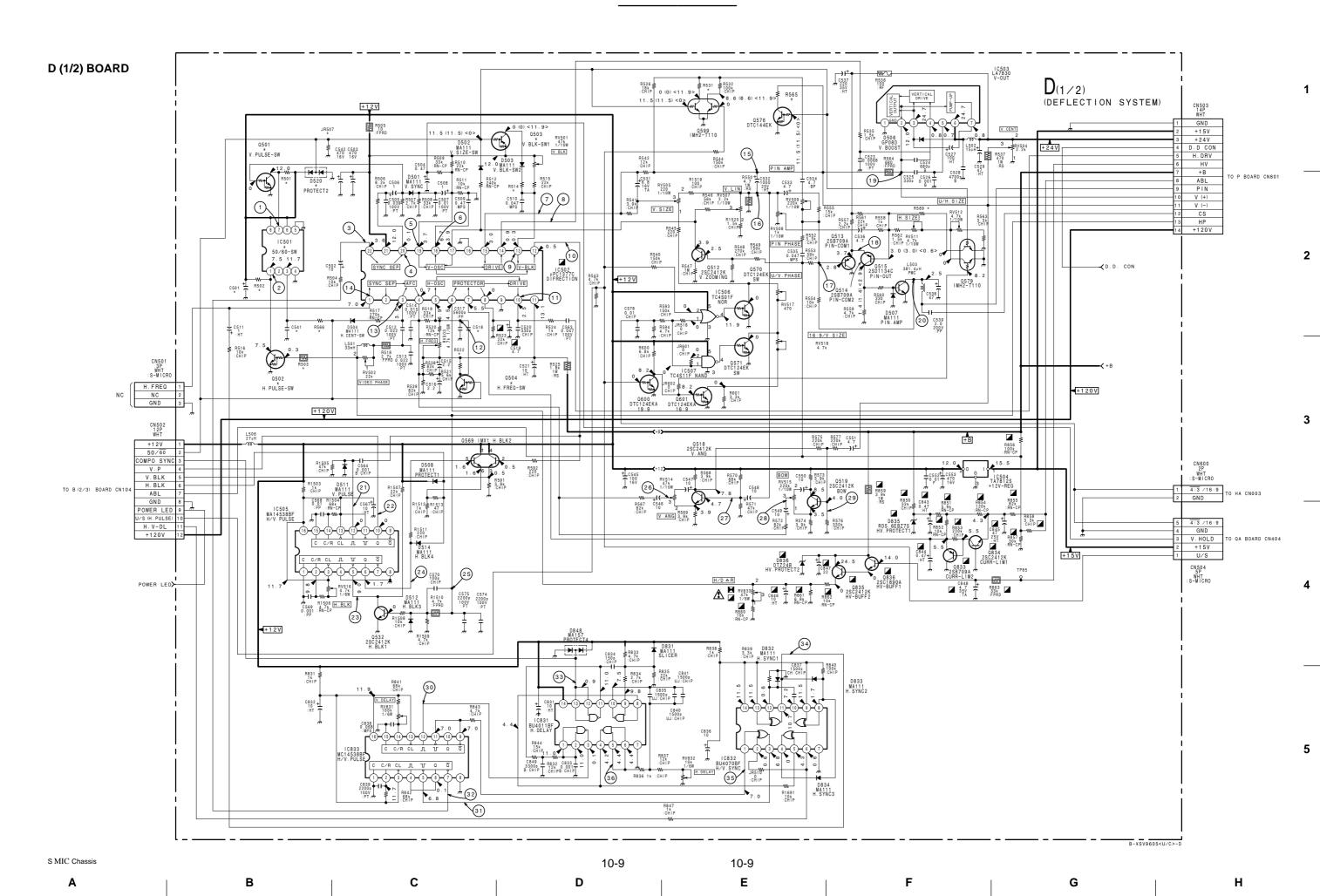
С

D

Ε

F

G



D (2/2) BOARD

1

2

3

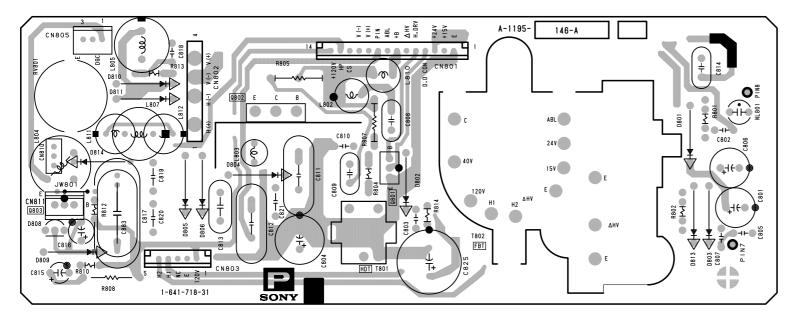
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RV1601 2.2k +B ADJ R527 47k FPRD 10k :CHIP Q1607 2SC2412K +40V/ RERAY-SW <u>A</u> F1602 *3: PVM-90420M (AEP), PVM-90450M (AEP) ONLY F1602 *4: PVM-80420 (U/C), PVM-80450 (U/C), PVM-90420M (AUS), PVM-90450M (AUS), PVM-9045PM (BRZ) ONLY F1601 *1:PVM-90420M (AEP), PVM-90450M (AEP) ONLY
F1601 *2:PVM-80420 (U/C), PVM-80450 (U/C), PVM-90420M (AUS)
PVM-90450M (AUS), PVM-9045PM (BRZ) ONLY *3 5.0A/250V *4 5.0A/125V +12V D1635 MA111 PROTECT1 SHUT DOWN 1/10W +12V D(2/2) (DEFLECTION SYSTEM) B-¥SV9605<U/C>-D CN509 3P WHT :S-MICRO TO REAR CHASSIS GND TO FA BOARD CN603

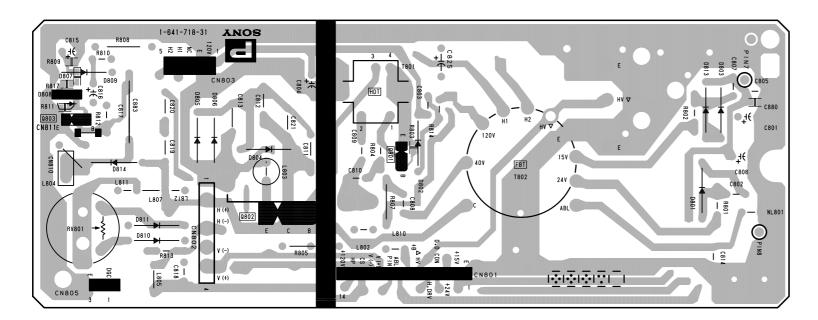
10-10 10-10 S MIC Chassis

A | B | C | D | E | F | G | H

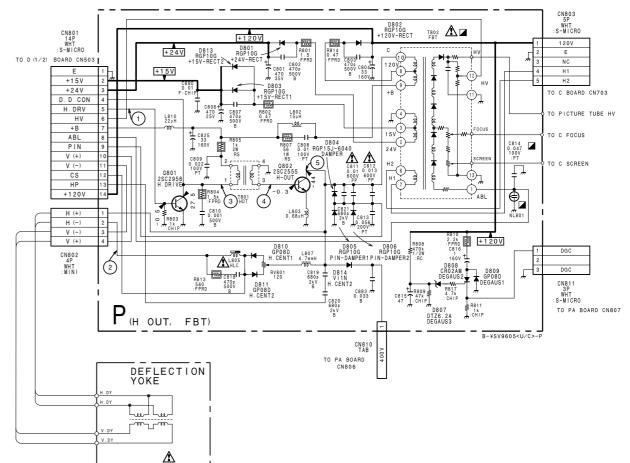
P BOARD



P -A SIDE-SUFFIX: -31

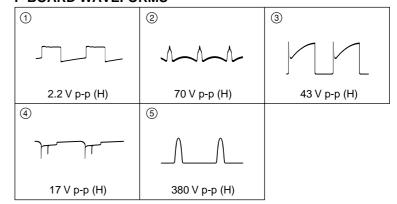


P -B SIDE-SUFFIX: -31



P BOARD WAVEFORMS

F

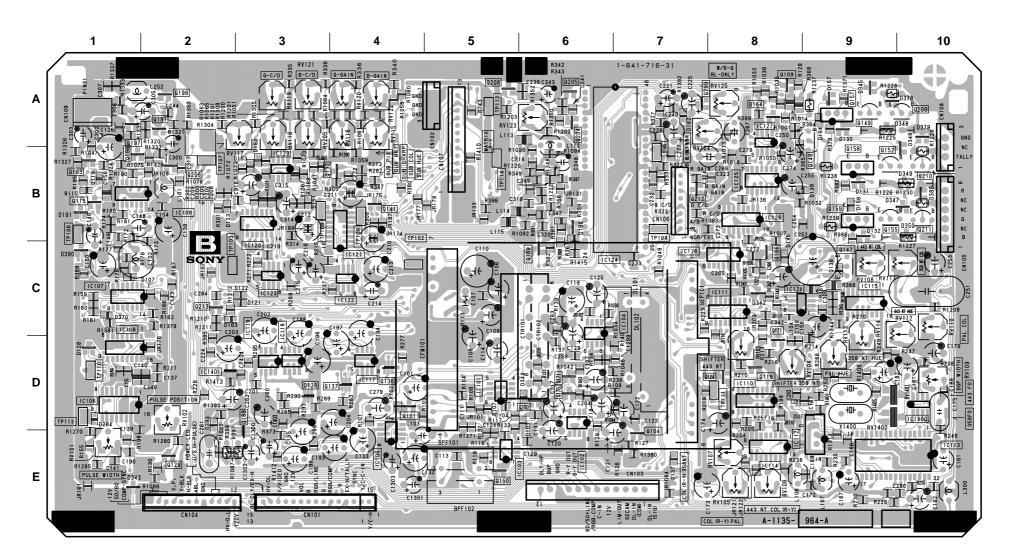


G

S MIC Chassis 10-11 10-11 A B C D E

H

B BOARD



B -A SIDE-SUFFIX: -31

B Board (A SIDE)

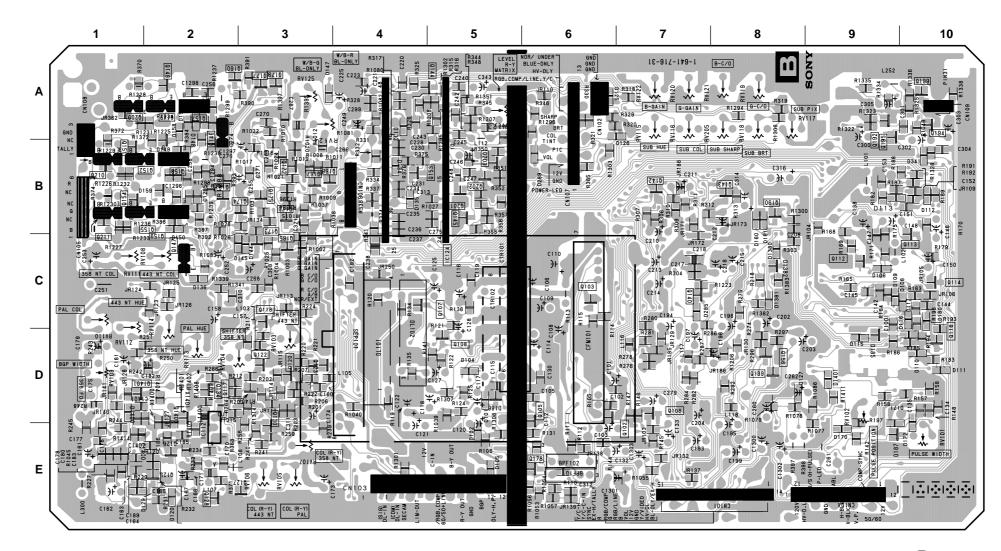
3 Boa	ard (A S	SIDE)	
CC501 CC101 CC101 CC101 CC103 CC103 CC105 CC106 CC107 CC108 CC107 CC108 CC110 CC111 CC111 CC111 CC111 CC112 CC112 CC112 CC122 CC123 CC124 CC125 CC127 CC128 CC129 CC1400 CC1401	B-1 D-5 E-6 E-5 C-7 E-4 D-1 C-1 C-1 C-1 B-2 D-8 E-8 E-10 E-8 C-3 C-3 C-3 C-3 C-3 C-4 C-4 C-3 C-4 C-4 C-3 C-4 C-4 C-8 B-8 B-8 B-8 B-8 B-8 B-8 B-8 B-8 B-8 B	D103 D107 D118 D119 D121 D122 D123 D128 D130 D131 D132 D137 D138 D139 D148 D151 D153 D154 D155 D162 D163 D162 D163 D163 D164 D163 D164 D163 D164 D163 D164 D164 D164 D164 D164 D164 D164 D164	D-6 C-2 B-11 C-3 B-11 C-3 C-3 B-11 C-3 C-3 B-9 B-9 B-9 B-8 B-3 A-9 A-7 C-2 B-1 D-1 D-1 D-6 A-10 B-9 A-11 B-9 A-11 B-9 A-11 B-11 B-11 B-11 B-11 B-11 B-11 B-11
2101 2104 2109 2115 2119 2121 2124	D-4 E-7 A-8 B-1 D-8 C-8 D-8	D349 D350 D370 D378 D379 D380 D390 D393	B-10 C-1 A-10 A-10 B-10 C-1 D-2
1129)1132)1136)1137)1138)1141)147)1149)150)155)157)158)1164)169)171)176)1191)191)197)198)2004	E-2 B-3 D-4 D-4 D-3 B-4 C-9 B-9 A-5 B-9 A-9 B-9 B-9 A-8 C-6 D-6 D-6 D-6 D-6 D-3 A-2 B-1 B-1 B-1 A-2 D-4	RV101 RV102 RV103 RV104 RV105 RV106 RV107 RV1108 RV1109 RV111 RV112 RV113 RV114 RV115 RV116 RV116 RV117 RV118 RV119 RV120 RV121 RV122 RV123 RV124 RV125 RV125 RV125	E-1 D-2 D-8 E-8 E-8 E-8 E-8 E-8 E-8 E-8 E-8 E-8 E
2204 2205 2206 2208 2209 2210 2211 2212 2213 2299	A-6 A-6 A-5 B-2 A-10 B-10 B-10 B-7 C-2 A-7	TP102 TP103 TP104 TP105 TP106 TP107 TP108 TP109 TP110 TP111 TP112 TP113 TP114	B-4 C-2 B-7 B-7 B-1 B-2 B-3 B-4 D-1 D-8 A-5 D-1 B-5

10-12 10-12 S MIC Chassis

B Board (B SIDE)

IC112 E-2 IC124 C-4 D104 D105 D106 D108 D109 D110 D111 D112 D113
D115
D116
D117
D120
D125
D126
D127
D129
D133
D134
D136
D144
D145
D147
D148
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D150
D158
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D161
D170
D171
D172
D180
D181
D172
D188
D280
D187
D188
D280
D285
D341
D1381
D1382
D1401 RV101 RV102 RV103 RV104 E-10 D-9 D-3 D-2 E-3 E-3 C-1 D-1 C-1 D-2 C-2 A-7 A-9 A-8 A-7 A-7 A-7 A-7 A-7 A-7 A-7 A-3 A-3 A-3 RV104 RV105 RV106 RV107 RV107 RV108 RV109 RV110 RV111 RV112 RV113 RV114 RV115 RV116 RV116 RV117 RV118 RV119 RV120 RV121 RV122 RV123 RV124 RV125 RV205

B BOARD



B -B SIDE-SUFFIX: -31

S MIC Chassis 10-13 10-13

B MOUNT (1/3) VOLTAGES

1

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			IC	
		PAL	SECAM	NTSC
IC102	_1_	6.7	6.7	6.7
	2	7.1	0	0
	3	0	0	0
	4	0	0	0
	5	6.6	6.6	6.6
	6	12VA	12VA	12VA
	7	6	6	6
10111	8	GND	GND	GND
IC111	1_	NC	NC	NC
	2	2.3	2.3	2.3
	<u>3</u> 4	2.3	2.3	2.3
	5	0	2.5	2.5
	6	GND	GND	GND
	7	GND	GND	GND
	8	GND	GND	GND
	9	9.4	0	0
	10	11.5	0	0
	11	9.9	0	0
	12	11.5	0	0
	13	11.5	11.5	11.5
	14	11.5	0	0
	15	0	2.3	2.3
	16	GND	GND	GND
IC110	_1	0.6	0	0
	2	2.3	0	0
	3	2	0	0
	4	2.2	2.2	2.5
	5	0	0	0
	6	GND	GND	GND
	7	GND	GND	GND
	8	GND	GND	GND
	9	11.5	11.5	11.5
	_10	11.5	0	0
	_11	11.5	0	0
	_12	8.0	2.5	2.5
	_13	1.7	1.7	1.7
	_14	1.7	2.5	2.5
	<u>15</u>	0.8	2.5	2.5
0440	16	12VA	12VA	12VA
C113	1_	2.8	2.8	2.8
	2	1.7	1.7	1.7
	3	2.3	2.3	2.3
	<u>4</u> 5	2.4	2.5	2.5
	6	3	3	3
		4.3	4 3	4.3
	7 8	3	4.3 3	3
	9	NC	NC	NC
	10	2.9	2.9	2.9
	11	2.9	2.9	2.9
	12	2.6	2.6	2.6
	13	3.4	3.4	3.4
	14	GND	GND	GND
	15	3	3	3
	16	NC	NC	NC
	17	NC	NC	NC
	18	5VA	5VA	5VA
	19	2.9	2.9	2.9
	20	0	0	0
			NC	NC
	21	NC	.,,	.,,
	22	2.1	2.1	2.1
	22 23	2.1	2.1 2.1	2.1
	22 23 24	2.1 2.1 NC	2.1 2.1 NC	2.1 2.1 NC
	22 23 24 25	2.1 2.1 NC 2	2.1 2.1 NC 2	2.1 2.1 NC 2
	22 23 24 25 26	2.1 2.1 NC 2 2.8	2.1 2.1 NC 2 2.8	2.1 2.1 NC 2 2.8
	22 23 24 25 26 27	2.1 NC 2 2.8 5VA	2.1 2.1 NC 2 2.8 5VA	2.1 2.1 NC 2 2.8 5VA
	22 23 24 25 26 27 28	2.1 NC 2 2.8 5VA 4.5	2.1 2.1 NC 2 2.8 5VA 4.5	2.1 NC 2 2.8 5VA 4.5
	22 23 24 25 26 27 28 29	2.1 NC 2 2.8 5VA 4.5 2.9	2.1 2.1 NC 2 2.8 5VA 4.5 2.9	2.1 2.1 NC 2 2.8 5VA 4.5 2.9
	22 23 24 25 26 27 28 29 30	2.1 NC 2 2.8 5VA 4.5 2.9	2.1 2.1 NC 2 2.8 5VA 4.5 2.9	2.1 NC 2 2.8 5VA 4.5 2.9 3
	22 23 24 25 26 27 28 29	2.1 NC 2 2.8 5VA 4.5 2.9	2.1 2.1 NC 2 2.8 5VA 4.5 2.9	2.1 2.1 NC 2 2.8 5VA 4.5 2.9

CROSS-REFERENCE OF * MARKS ON B (1/3) BOARD

	PVM-8042Q (U/C) PVM-8045Q (U/C) PVM-9042QM (AEP) PVM-9042QM (AUS) PVM-9045QM (AEP) PVM-9045QM (AUS)	PVM-9045PM(BRZ)
BPF102	1-236-364-11	1-236-363-11
C104	0.01 :CHIP	NOT USED
C105	0.01 :CHIP	NOT USED
C115	0.01 :CHIP	NOT USED
C134	0.01 :CHIP	NOT USED
C157	12P :CHIP	NOT USED
CTR101	1-236-366-11	1-809-369-11
CTR102	1-236-365-11	NOT USED
D102	NOT USED	MA111
D105	MA111	NOT USED
D186	MA151WK	NOT USED
D344	DTZ-TT11-6.2A	NOT USED
IC101	MM1111XFBE	NOT USED
JR256	NOT USED	SHORT 0
L103	4.7µH	NOT USED
Q118	2SC2412K	NOT USED
Q119	2SB709A	NOT USED
Q200	DTA114EK	NOT USED
R107	27K :CHIP	NOT USED
R123	100 :CHIP	NOT USED
R209	560 :CHIP	NOT USED
R210	220 :CHIP	NOT USED
R213	560 :CHIP	NOT USED
R253	150K :CHIP	NOT USED
R1043	2.2K :CHIP	NOT USED
R1044	3.3K :CHIP	NOT USED
R1055	NOT USED	100K :CHIP
R1313	150K :CHIP	120K :CHIP
R1405	5.6K :CHIP	NOT USED
R1406	5.6K :CHIP	NOT USED
R1408	5.6K :CHIP	1K :CHIP
R1409	5.6K :CHIP	1K :CHIP
RV103	220	NOT USED
RV106	1K	NOT USED
RV108	10K	NOT USED
RV112	47K	NOT USED
X1401	1-577-259-11 OSCILLATOR, CRYSTAL	1-527-523-00 OSCLLATOR, CRYSTAL

B (1/3) BOARD WAVEFORMS

1	2			3
				-(
			NTSC 3.581 V p-p (H)	
PAL 1.0 V p-p (H)	PAL 1.0 V p-p (H)	SECAM 1.0 V p-p (H)	NTSC 4.431 V p-p (H)	PAL 26 mV p-p (H)
4				5
	The second of th	ماهممهاهممهار		رامسمرارسسمار
PAL 1.0 V p-p (H)	SECAM 1.0 V p-p (H)	NTSC3.58 1.0 V p-p (H)	NTSC4.43 1.0 V p-p (H)	PAL 1.0 V p-p (H) SECAM 1.0 V p-p (H)
(5)	020/1111 1:0 1 p p (1:)	(6)	π ο ο π ο π ο ν ρ ρ (π)	020/W11.0 V p p (11)
		ajeto-retilio-retileo-ret	 	**************************************
NTSC3.58 1.0 V p-p (H)	NTSC4.43 1.0 V p-p (H)	PAL 0.25 V p-p (H)	NTSC3.58 1.0 V p-p (H)	NTSC4.43 0.17 V p-p (H)
7			8	
	-	day y day y day y d	ر المسمول مسمول	سلسسالسسال
PAL 35 mV p-p (H)	SECAM 35 mV p-p (H)	NTSC3.58 35 mV p-p (H) NTSC4.43 35 mV p-p (H)	PAL 1.0 V p-p (H) SECAM 1.0 V p-p (H)	NTSC3.58 1.0 V p-p (H) NTSC4.43 1.0 V p-p (H)
9	100	10		12
		4)40++4((()++4)4()++4]]]]-+-[]]]]-+-[]]	*********
PAL 0.65 V p-p (H) SECAM 0.65 V p-p (H) NTSC3.58 0.65 V p-p (H)	PAL 1.0 V p-p (H) SECAM 1.0 V p-p (H) NTSC3.58 1.0 V p-p (H)		NTSC3.58 0.22 V p-p (H)	
NTSC4.43 0.65 V p-p (H)	NTSC4.43 1.0 V p-p (H)	PAL 0.25 V p-p (H)	NTSC4.43 0.22 V p-p (H)	PAL 0.22 V p-p (H)
 			rurrururur.	
				NTSC3.58 0.9 V p-p (H)
SECAM 0.36 V p-p (H)	PAL 1.4 V p-p (H)	SECAM 1.6 V p-p (H)	PAL 0.9 V p-p (H)	NTSC4.43 0.9 V p-p (H)
(5)				
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~				
DAL 0.47\/ n = /(1)	NTSC3.58 0.47 V p-p (H)			

· All voltages are in V (volt).

• NC: No connection.

• * mark: measurement impossible.

PAL SECAM NTSC

NC NC 6 GND GND

NC

7 GND GND

8 GND GND 9 11.5 0

10 11.5 0 11 11.5 3.7 12 0.8

13 1.7

14 NC

15 0.8 16 12VA 12VA

5 NC 6 GND GND 7 GND GND

12 3.4

Q117

Q119

Q124

Q125

Q126

Q122 B 1.7

2 0 0 3 0.4 0.4

4 0.4 0.4

8 GND GND

9 11.5 11.5

3.4

10 1.7 1.7 11 1.7 1.7

13 1.7 3.4

14 NC NC

B 1.7 2.5 C GND GND

E 2.3 3.1

C GND GND E 0.6 0

B 0 2.3 C 11.9 10.9

E 3.1 2.5

E GND GND

C GND GND

E GND GND

B 11.8 11.8

D 5.4 5.4 S 0.6 0.6

C 12VA 12VA E 0 0

B 9.6 C 0 0.8 E GND GND

Q1400 <u>G 6.1 6.1</u> D 5.5 5.5

Q1401 G 0

S 5.5

B 1.7 0

15 3.2 3.2 16 12VA 12VA

TRANSISTOR

IC115 1 0

4 NC 5 NC

2.6

NC NC

GND

GND

GND

3.9

NC

12VA

0.4

0.4 NC GND

GND

GND

11.5

1.7

3.4

3.4

NC

3.2 12VA

2.5 GND

3.1

GND

2.3 10.2

1.7

GND

GND 2.3

5 GND

0.8 GND

0

11.8

12VA

10-14 10-14 S MIC Chassis

В

С

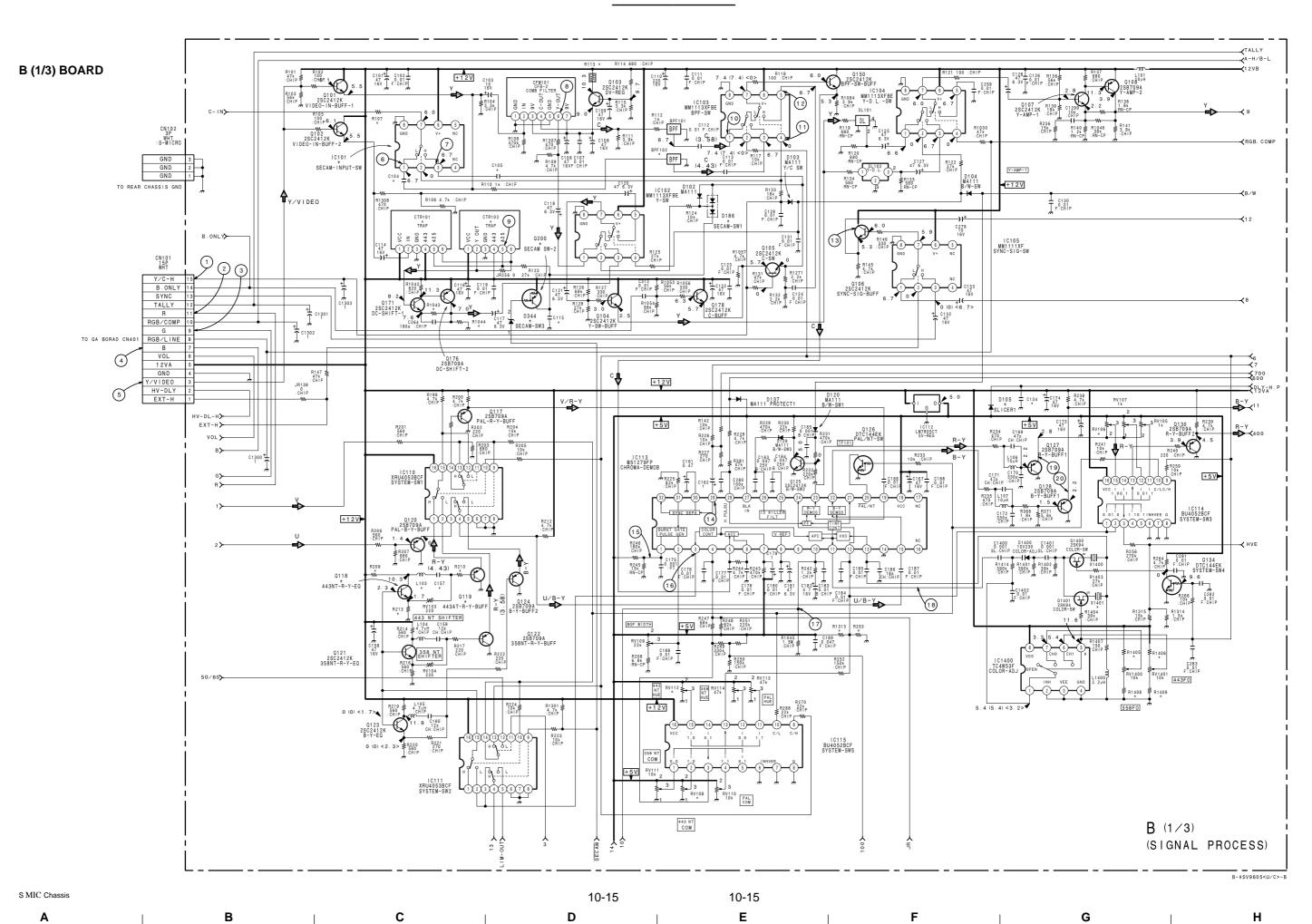
NTSC4.43 0.47 V p-p (H)

F

G

D Ε

PAL 0.47 V p-p (H)



PAL SECAM NTSC

5.1

GND GND GND

4.8

5.1 5.1

4.8

4.8

4.8 GND 5.1

5.1

5.1 12VB 0.6

2.5 1.7 GND

5.1

5.1

5.1 12VB

2.9 GND

4.6

12VB

12VB 5.7 5.1

10.5

12VB

5.7 5.1 10.5

5.7

5.1 12VB

5.1

5.1

1.7

С

12VB

5 5.1 0 6 GND GND 7 GND GND 8 GND GND

16 12VB 12VB

3 4.8 4.8 4 GND GND

4 GND GND 5 5.1 5.1

7 5.1 5.1 8 12VB 12VB

3 0 2.9 4 GND GND 5 5.3 4.6

 TRANSISTOR

 1
 12VB
 12VB

5 5.7 5.7 6 5.1 5.1 1 12VB 12VB

6 5.1 5.1 1 12VB 12VB

7 10.4 0 8 12VB 12VB

12VB 12VB

## **B MOUNT (2/3) VOLTAGES**

1

2

3

5

		PAL	I <b>C</b> SECAM	NTSC			PAL	SEC
IC106	1	0	0	0	IC121	1	0	5.1
	2	0.2	0.2	0.2		2	5.1	5.1
	3	12VB	12VB	12VB		3	0	0
	4	1.8	1.8	1.8		4	5.1	0
	_5_	12VB	12VB	12VB		5	5.1	0
	_6_	12	12	12		6	GND	GND
	_7_	NC	NC	NC		7	GND	GND
	_8_	GND	GND	GND		8	GND	GND
	_9_	10.2	10.2	10.2		9	2	2
	_10	1.2	1.2	1.2		10	2	2
	_11	12	12	12		11	2	2
	_12	1.7	1.7	1.7			5.1	5.1
	_13	12VB	12VB	12VB			0	4.8
	14	9.8	0	0			5.1	5.1
	15	GND	GND	GND			5.1	5.1
10400	16	12VB	12VB	12VB	10.400		12VB	12VE
IC108	1_	0.3	0.3	0.3 CND	IC 122	1	4.8	4.8 4.8
	<u>2</u> 3	GND GND	GND GND	GND GND		3	4.8 4.8	4.8
	4	0.4	0.4	0.4		4	GND	GND
	5	0.4	0.4	0.4		5	5.1	5.1
	6	GND	GND	GND		6	5.1	5.1
	7	GND	GND	GND		7	5.1	5.1
	8	GND	GND	GND		8	12VB	12VE
	9	8.2	8.2	8.2	IC123	1	0	0.6
	10	5.5	6	6		2	2.5	2.5
	11	9.8	9.8	9.8		3	1.7	1.7
	_12	0.5	0.5	0.5		4	GND	GND
	_13	0.3	0.3	0.3		5	5.1	5.1
	_14	0.3	0.3	0.3		6	5.1	5.1
	_15	0.3	0.3	0.3		7_	5.1	5.1
10100	<u>16</u>	12VB	12VB	12VB	10.100	8_	12VB	12VE
IC109	1_	GND	GND	GND	IC128	1_	3	3
	<u>2</u> 3	11.2 11.6	11.2	11.2 11.6		3	3	3 2.9
	4	11.9	11.6 11.9	11.0		4	0 GND	GND
	5	11.3	11.3	11.3		5	5.3	4.6
	6	0.6	0	0		6	5	5
	7	0	0	0		7	10.4	0
	8	GND	GND	GND		8	12VB	12VE
	9	GND	GND	GND				
	_10	0.7	0.7	0.7			TRAN	
	_11	0.4	0.4	0.4	Q136	1	12VB	12VE
	_12	10.5	10.5	10.5		2	5.7	5.7
	_13	9.1	9.1	9.1		3	5.1	5.1
10440	14	12VB	12VB	12VB		4	10.5	10.5
IC118	1_	5.4	0	0		5	5.7	5.7
	3	2.8	<u>U</u>	2.8	0127	6	5.1 12\/D	5.1 12VI
	4	0	5.4 0	5.4 0	Q137	2	12VB 5.7	5.7
	5	5.4	0	0		3	5.1	5.1
	6	12VB	12VB	12VB		4	10.5	10.5
	7	5.7	5.7	5.7		5	5.7	5.7
	8	GND	GND	GND		6	5.1	5.1
IC120	1	5.1	5.1	5.1	Q138	1	12VB	12VE
	2	5.1	5.1	5.1		2	5.7	5.7
	_3_	5.1	5.1	5.1		3	5.1	5.1
	_4_	5.1	5.1	5.1		4	10.5	10.5
	_5_	0.4	0.4	0.4		5_	5.7	5.7
	6_	8.3	8.3	8.3	0400	6	5.1	5.1
	7_	GND	GND	GND	Q132	<u>B</u>	6	6
	8	12VB 12	2VB 12	2VB		<u>C</u>	1.7	1.7
	9 10	4.8	4.8	<u>12</u> 4.8		E	2.3	2.3
	11	5.1	5.1	5.1	• All volt	2000	aro in	V/ (v/c
	12	0.5	0.5	0.5	• NC: No			
	13	0.4	0.4	0.4	140.140			
	14	12VB	12VB	12VB				

## CROSS-REFERENCE OF * MARKS ON B (2/3) BOARD

PVM-9045QM (AUS) PVM-9045PM(BRZ) C135 68P :CHIP NOT USED C190 150P :CHIP NOT USED C193 47 16 V :CHIP NOT USED C197 47 16 V :CHIP NOT USED C308 0.1 25 V CHIP NOT USED C309 0.1 25 V CHIP NOT USED C310 0.1 25 V CHIP NOT USED C310 0.1 25 V CHIP NOT USED CN103 B to B 12P NOT USED D108 MA111 NOT USED D116 NOT USED MA111 D121 MA111 NOT USED D342 MA151WA NOT USED D342 MA151WA NOT USED D390 MA157 NOT USED JR113 NOT USED SHORT 0 Q129 DTC144EK NOT USED R130 100K :CHIP NOT USED R148 6.8K :CHIP NOT USED R148 6.8K :CHIP NOT USED R148 6.8K :CHIP NOT USED R149 47K :CHIP NOT USED R120 330K :CHIP NOT USED R1280 330K :CHIP NOT USED R1391 100K :CHIP NOT USED R1280 330K :CHIP NOT USED R1341 390K :CHIP NOT USED R1341 390K :CHIP NOT USED R1342 62K RN-CP NOT USED R1343 1M :CHIP NOT USED R1344 100K :CHIP NOT USED R1345 1.8K CHIP NOT USED R1346 820 :CHIP NOT USED R1341 1-809-347-11 TP112 NOT USED		PVM-8042Q (U/C) PVM-8045Q (U/C) PVM-9042QM (AEP) PVM-9042QM (AUS) PVM-9045QM (AEP)	
C190         150P :CHIP         NOT USED           C193         47 16 V :CHIP         NOT USED           C197         47 16 V :CHIP         NOT USED           C308         0.1 25 V CHIP         NOT USED           C309         0.1 25 V CHIP         NOT USED           C310         0.1 25 V CHIP         NOT USED           CN103         B to B 12P         NOT USED           D108         MA111         NOT USED           D116         NOT USED         MA111           D121         MA111         NOT USED           D185         MA151WA         NOT USED           D342         MA151WA         NOT USED           D390         MA157         NOT USED           JR113         NOT USED         SHORT 0           Q129         DTC144EK         NOT USED           R130         100K :CHIP         NOT USED           R148         6.8K :CHIP         NOT USED           R161         47K :CHIP         NOT USED           R182         20K :RN-CP         22K :CHIP-CP           R389         47K :CHIP         NOT USED           R1285         NOT USED         2.2K :CHIP           R1340         100K :CHIP	C135	` ,	
C193         47 16 V :CHIP         NOT USED           C197         47 16 V :CHIP         NOT USED           C308         0.1 25 V CHIP         NOT USED           C309         0.1 25 V CHIP         NOT USED           C310         0.1 25 V CHIP         NOT USED           CN103         B to B 12P         NOT USED           D108         MA111         NOT USED           D116         NOT USED         MA111           D121         MA111         NOT USED           D185         MA151WA         NOT USED           D342         MA151WA         NOT USED           D390         MA157         NOT USED           JR113         NOT USED         SHORT 0           Q129         DTC144EK         NOT USED           R130         100K :CHIP         NOT USED           R148         6.8K :CHIP         NOT USED           R161         47K :CHIP         NOT USED           R182         20K :RN-CP         22K :CHIP-CP           R389         47K :CHIP         NOT USED           R1280         330K :CHIP         NOT USED           R1340         100K :CHIP         NOT USED           R1341         390K :CHIP			
C197         47 16 V :CHIP         NOT USED           C308         0.1 25 V CHIP         NOT USED           C309         0.1 25 V CHIP         NOT USED           C310         0.1 25 V CHIP         NOT USED           CN103         B to B 12P         NOT USED           D108         MA111         NOT USED           D116         NOT USED         MA111           D121         MA111         NOT USED           D185         MA151WA         NOT USED           D342         MA151WA         NOT USED           D390         MA157         NOT USED           JR113         NOT USED         SHORT 0           Q129         DTC144EK         NOT USED           R130         100K :CHIP         NOT USED           R148         6.8K :CHIP         NOT USED           R148         6.8K :CHIP         NOT USED           R182         20K :RN-CP         22K :CHIP-CP           R389         47K :CHIP         NOT USED           R1280         330K :CHIP         NOT USED           R1285         NOT USED         2.2K :CHIP           R1340         100K :CHIP         NOT USED           R1341         390K :CHIP			
C308			
C309         0.1 25 V CHIP         NOT USED           C310         0.1 25 V CHIP         NOT USED           CN103         B to B 12P         NOT USED           D108         MA111         NOT USED           D116         NOT USED         MA111           D121         MA111         NOT USED           D185         MA151WA         NOT USED           D342         MA151WA         NOT USED           D390         MA157         NOT USED           JR113         NOT USED         SHORT 0           Q129         DTC144EK         NOT USED           R130         100K :CHIP         NOT USED           R148         6.8K :CHIP         NOT USED           R148         6.8K :CHIP         NOT USED           R182         20K :RN-CP         22K :CHIP-CP           R389         47K :CHIP         NOT USED           R1280         330K :CHIP         NOT USED           R1285         NOT USED         2.2K :CHIP           R1339         100K :CHIP         NOT USED           R1340         100K :CHIP         NOT USED           R1341         390K :CHIP         NOT USED           R1342         62K RN-CP			
C310			
CN103         B to B 12P         NOT USED           D108         MA111         NOT USED           D116         NOT USED         MA111           D121         MA111         NOT USED           D185         MA151WA         NOT USED           D342         MA151WA         NOT USED           D390         MA157         NOT USED           IC128         LM358DR         NOT USED           JR113         NOT USED         SHORT 0           Q129         DTC144EK         NOT USED           R130         100K :CHIP         NOT USED           R148         6.8K :CHIP         NOT USED           R161         47K :CHIP         NOT USED           R182         20K :RN-CP         22K :CHIP-CP           R389         47K :CHIP         NOT USED           R1280         330K :CHIP         NOT USED           R1285         NOT USED         2.2K :CHIP           R1340         100K :CHIP         NOT USED           R1341         390K :CHIP         NOT USED           R1342         62K RN-CP         NOT USED           R1343         1M :CHIP         NOT USED           R1344         10K CHIP         NOT U		*** = * * * * * * * * * * * * * * * * *	
D108         MA111         NOT USED           D116         NOT USED         MA111           D121         MA111         NOT USED           D185         MA151WA         NOT USED           D342         MA151WA         NOT USED           D390         MA157         NOT USED           JC128         LM358DR         NOT USED           JR113         NOT USED         SHORT 0           Q129         DTC144EK         NOT USED           R130         100K :CHIP         NOT USED           R148         6.8K :CHIP         NOT USED           R148         6.8K :CHIP         NOT USED           R161         47K :CHIP         NOT USED           R182         20K :RN-CP         22K :CHIP-CP           R389         47K :CHIP         NOT USED           R1280         330K :CHIP         NOT USED           R1285         NOT USED         2.2K :CHIP           R1339         100K :CHIP         NOT USED           R1340         100K :CHIP         NOT USED           R1341         390K :CHIP         NOT USED           R1343         1M :CHIP         NOT USED           R1344         10K CHIP         NOT U			
D116         NOT USED         MA111           D121         MA111         NOT USED           D185         MA151WA         NOT USED           D342         MA151WA         NOT USED           D390         MA157         NOT USED           IC128         LM358DR         NOT USED           JR113         NOT USED         SHORT 0           Q129         DTC144EK         NOT USED           R130         100K :CHIP         NOT USED           R148         6.8K :CHIP         NOT USED           R161         47K :CHIP         NOT USED           R182         20K :RN-CP         22K :CHIP-CP           R389         47K :CHIP         NOT USED           R1280         330K :CHIP         NOT USED           R1285         NOT USED         2.2K :CHIP           R1339         100K :CHIP         NOT USED           R1340         100K :CHIP         NOT USED           R1341         390K :CHIP         NOT USED           R1342         62K RN-CP         NOT USED           R1343         1M :CHIP         NOT USED           R1344         10K CHIP         NOT USED           R1345         1.8K CHIP			
D121         MA111         NOT USED           D185         MA151WA         NOT USED           D342         MA151WA         NOT USED           D390         MA157         NOT USED           IC128         LM358DR         NOT USED           JR113         NOT USED         SHORT 0           Q129         DTC144EK         NOT USED           R130         100K :CHIP         NOT USED           R148         6.8K :CHIP         NOT USED           R161         47K :CHIP         NOT USED           R182         20K :RN-CP         22K :CHIP-CP           R389         47K :CHIP         NOT USED           R1280         330K :CHIP         NOT USED           R1285         NOT USED         2.2K :CHIP           R1339         100K :CHIP         NOT USED           R1340         100K :CHIP         NOT USED           R1341         390K :CHIP         NOT USED           R1342         62K RN-CP         NOT USED           R1343         1M :CHIP         NOT USED           R1344         10K CHIP         NOT USED           R1345         1.8K CHIP         NOT USED           R1346         820 :CHIP			
D185         MA151WA         NOT USED           D342         MA151WA         NOT USED           D390         MA157         NOT USED           IC128         LM358DR         NOT USED           JR113         NOT USED         SHORT 0           Q129         DTC144EK         NOT USED           R130         100K :CHIP         NOT USED           R148         6.8K :CHIP         NOT USED           R161         47K :CHIP         NOT USED           R182         20K :RN-CP         22K :CHIP-CP           R389         47K :CHIP         NOT USED           R1280         330K :CHIP         NOT USED           R1285         NOT USED         2.2K :CHIP           R1339         100K :CHIP         NOT USED           R1340         100K :CHIP         NOT USED           R1341         390K :CHIP         NOT USED           R1342         62K RN-CP         NOT USED           R1343         1M :CHIP         NOT USED           R1344         10K CHIP         NOT USED           R1345         1.8K CHIP         NOT USED           R1346         820 :CHIP         NOT USED           R1346         820 :CHIP			
D342         MA151WA         NOT USED           D390         MA157         NOT USED           IC128         LM358DR         NOT USED           JR113         NOT USED         SHORT 0           Q129         DTC144EK         NOT USED           R130         100K :CHIP         NOT USED           R148         6.8K :CHIP         NOT USED           R161         47K :CHIP         NOT USED           R182         20K :RN-CP         22K :CHIP-CP           R389         47K :CHIP         NOT USED           R1280         330K :CHIP         NOT USED           R1285         NOT USED         2.2K :CHIP           R1339         100K :CHIP         NOT USED           R1340         100K :CHIP         NOT USED           R1341         390K :CHIP         NOT USED           R1342         62K RN-CP         NOT USED           R1343         1M :CHIP         NOT USED           R1344         10K CHIP         NOT USED           R1345         1.8K CHIP         NOT USED           R1346         820 :CHIP         NOT USED           R1346         820 :CHIP         NOT USED           RV101         4.7K			
D390         MA157         NOT USED           IC128         LM358DR         NOT USED           JR113         NOT USED         SHORT 0           Q129         DTC144EK         NOT USED           R130         100K :CHIP         NOT USED           R148         6.8K :CHIP         NOT USED           R161         47K :CHIP         NOT USED           R182         20K :RN-CP         22K :CHIP-CP           R389         47K :CHIP         NOT USED           R1280         330K :CHIP         NOT USED           R1285         NOT USED         2.2K :CHIP           R1339         100K :CHIP         NOT USED           R1340         100K :CHIP         NOT USED           R1341         390K :CHIP         NOT USED           R1342         62K RN-CP         NOT USED           R1343         1M :CHIP         NOT USED           R1344         10K CHIP         NOT USED           R1345         1.8K CHIP         NOT USED           R1346         820 :CHIP         NOT USED           R1346         820 :CHIP         NOT USED           R246         RV101         4.7K         NOT USED           R1346			
IC128			
DR113 NOT USED			
Q129         DTC144EK         NOT USED           R130         100K :CHIP         NOT USED           R148         6.8K :CHIP         NOT USED           R161         47K :CHIP         NOT USED           R182         20K :RN-CP         22K :CHIP-CP           R389         47K :CHIP         NOT USED           R1040         100 :CHIP         NOT USED           R1280         330K :CHIP         NOT USED           R1339         100K :CHIP         NOT USED           R1340         100K :CHIP         NOT USED           R1341         390K :CHIP         NOT USED           R1342         62K RN-CP         NOT USED           R1343         1M :CHIP         NOT USED           R1344         10K CHIP         NOT USED           R1345         1.8K CHIP         NOT USED           R1346         820 :CHIP         NOT USED           RV101         4.7K         NOT USED           SEP101         1-808-654-11         1-809-347-11			
R130         100K :CHIP         NOT USED           R148         6.8K :CHIP         NOT USED           R161         47K :CHIP         NOT USED           R182         20K :RN-CP         22K :CHIP-CP           R389         47K :CHIP         NOT USED           R1040         100 :CHIP         NOT USED           R1280         330K :CHIP         NOT USED           R1285         NOT USED         2.2K :CHIP           R1339         100K :CHIP         NOT USED           R1340         100K :CHIP         NOT USED           R1341         390K :CHIP         NOT USED           R1342         62K RN-CP         NOT USED           R1343         1M :CHIP         NOT USED           R1344         10K CHIP         NOT USED           R1345         1.8K CHIP         NOT USED           R1346         820 :CHIP         NOT USED           RV101         4.7K         NOT USED           SEP101         1-808-654-11         1-809-347-11			
R148         6.8K : CHIP         NOT USED           R161         47K : CHIP         NOT USED           R182         20K : RN-CP         22K : CHIP-CP           R389         47K : CHIP         NOT USED           R1040         100 : CHIP         NOT USED           R1280         330K : CHIP         NOT USED           R1285         NOT USED         2.2K : CHIP           R1339         100K : CHIP         NOT USED           R1340         100K : CHIP         NOT USED           R1341         390K : CHIP         NOT USED           R1342         62K RN-CP         NOT USED           R1343         1M : CHIP         NOT USED           R1344         10K CHIP         NOT USED           R1345         1.8K CHIP         NOT USED           R1346         820 : CHIP         NOT USED           RV101         4.7K         NOT USED           SEP101         1-808-654-11         1-809-347-11			
R161         47K :CHIP         NOT USED           R182         20K :RN-CP         22K :CHIP-CP           R389         47K :CHIP         NOT USED           R1040         100 :CHIP         NOT USED           R1280         330K :CHIP         NOT USED           R1285         NOT USED         2.2K :CHIP           R1339         100K :CHIP         NOT USED           R1340         100K :CHIP         NOT USED           R1341         390K :CHIP         NOT USED           R1342         62K RN-CP         NOT USED           R1343         1M :CHIP         NOT USED           R1344         10K CHIP         NOT USED           R1345         1.8K CHIP         NOT USED           R1346         820 :CHIP         NOT USED           RV101         4.7K         NOT USED           SEP101         1-808-654-11         1-809-347-11			
R182         20K :RN-CP         22K :CHIP-CP           R389         47K :CHIP         NOT USED           R1040         100 :CHIP         NOT USED           R1280         330K :CHIP         NOT USED           R1285         NOT USED         2.2K :CHIP           R1339         100K :CHIP         NOT USED           R1340         100K :CHIP         NOT USED           R1341         390K :CHIP         NOT USED           R1342         62K RN-CP         NOT USED           R1343         1M :CHIP         NOT USED           R1344         10K CHIP         NOT USED           R1345         1.8K CHIP         NOT USED           R1346         820 :CHIP         NOT USED           RV101         4.7K         NOT USED           SEP101         1-808-654-11         1-809-347-11			
R389         47K :CHIP         NOT USED           R1040         100 :CHIP         NOT USED           R1280         330K :CHIP         NOT USED           R1285         NOT USED         2.2K :CHIP           R1339         100K :CHIP         NOT USED           R1340         100K :CHIP         NOT USED           R1341         390K :CHIP         NOT USED           R1342         62K RN-CP         NOT USED           R1343         1M :CHIP         NOT USED           R1344         10K CHIP         NOT USED           R1345         1.8K CHIP         NOT USED           R1346         820 :CHIP         NOT USED           RV101         4.7K         NOT USED           SEP101         1-808-654-11         1-809-347-11			
R1040 100 :CHIP NOT USED R1280 330K :CHIP NOT USED R1285 NOT USED 2.2K :CHIP R1339 100K :CHIP NOT USED R1340 100K :CHIP NOT USED R1341 390K :CHIP NOT USED R1342 62K RN-CP NOT USED R1343 1M :CHIP NOT USED R1344 10K CHIP NOT USED R1345 1.8K CHIP NOT USED R1346 820 :CHIP NOT USED R1346 820 :CHIP NOT USED R1347 NOT USED R1348 NOT USED R1349 NOT USED R1349 NOT USED R1349 NOT USED R1349 R1349 NOT USED R1349 R1349 R1349 NOT USED R1341 NOT USED R1341 NOT USED R1341			
R1280         330K :CHIP         NOT USED           R1285         NOT USED         2.2K :CHIP           R1339         100K :CHIP         NOT USED           R1340         100K :CHIP         NOT USED           R1341         390K :CHIP         NOT USED           R1342         62K RN-CP         NOT USED           R1343         1M :CHIP         NOT USED           R1344         10K CHIP         NOT USED           R1345         1.8K CHIP         NOT USED           R1346         820 :CHIP         NOT USED           RV101         4.7K         NOT USED           SEP101         1-808-654-11         1-809-347-11			
R1285         NOT USED         2.2K :CHIP           R1339         100K :CHIP         NOT USED           R1340         100K :CHIP         NOT USED           R1341         390K :CHIP         NOT USED           R1342         62K RN-CP         NOT USED           R1343         1M :CHIP         NOT USED           R1344         10K CHIP         NOT USED           R1345         1.8K CHIP         NOT USED           R1346         820 :CHIP         NOT USED           RV101         4.7K         NOT USED           SEP101         1-808-654-11         1-809-347-11			
R1339 100K :CHIP NOT USED R1340 100K :CHIP NOT USED R1341 390K :CHIP NOT USED R1342 62K RN-CP NOT USED R1343 1M :CHIP NOT USED R1344 10K CHIP NOT USED R1345 1.8K CHIP NOT USED R1346 820 :CHIP NOT USED RV101 4.7K NOT USED SEP101 1-808-654-11 1-809-347-11			
R1340 100K :CHIP NOT USED  R1341 390K :CHIP NOT USED  R1342 62K RN-CP NOT USED  R1343 1M :CHIP NOT USED  R1344 10K CHIP NOT USED  R1345 1.8K CHIP NOT USED  R1346 820 :CHIP NOT USED  RV101 4.7K NOT USED  SEP101 1-808-654-11 1-809-347-11			
R1341 390K :CHIP NOT USED R1342 62K RN-CP NOT USED R1343 1M :CHIP NOT USED R1344 10K CHIP NOT USED R1345 1.8K CHIP NOT USED R1346 820 :CHIP NOT USED RV101 4.7K NOT USED SEP101 1-808-654-11 1-809-347-11			
R1342 62K RN-CP NOT USED R1343 1M :CHIP NOT USED R1344 10K CHIP NOT USED R1345 1.8K CHIP NOT USED R1346 820 :CHIP NOT USED RV101 4.7K NOT USED SEP101 1-808-654-11 1-809-347-11			
R1343 1M :CHIP NOT USED  R1344 10K CHIP NOT USED  R1345 1.8K CHIP NOT USED  R1346 820 :CHIP NOT USED  RV101 4.7K NOT USED  SEP101 1-808-654-11 1-809-347-11			
R1344 10K CHIP NOT USED  R1345 1.8K CHIP NOT USED  R1346 820 :CHIP NOT USED  RV101 4.7K NOT USED  SEP101 1-808-654-11 1-809-347-11			
R1345 1.8K CHIP NOT USED R1346 820 :CHIP NOT USED RV101 4.7K NOT USED SEP101 1-808-654-11 1-809-347-11			
R1346 820 :CHIP NOT USED  RV101 4.7K NOT USED  SEP101 1-808-654-11 1-809-347-11			
RV101 4.7K NOT USED SEP101 1-808-654-11 1-809-347-11			
SEP101 1-808-654-11 1-809-347-11			
1F113 INULUSED 1-009-347-11	TP113	NOT USED	1-809-347-11
MODULE			

#### B (2/3) BOARD WAVEFORMS

1			2	
d#0***d#0***4		***************************************	<del>∦</del> •∭•-¾•∭•-∜	
PAL 0.25 V p-p (H)	SECAM 60 mV p-p (H)	NTSC3.58 0.35 V p-p (H) NTSC4.43 0.35 V p-p (H)	PAL 0.35 V p-p (H)	SECAM 60 mV p-p (H)
2	3		4	(5)
**************************************	11-1	11-1		
NTSC3.58 0.28 V p-p (H)	PAL 0.38 V p-p (H) SECAM 0.38 V p-p (H)	NTSC3.59 0.36 V p-p (H) NTSC4.43 0.36 V p-p (H)	12 V p-p (H)	PAL 3.6 V p-p (H)
6	7	8	9	10
~~~~	PAL 12.6 V p-p (H) SECAM 12.6 V p-p (H)			
PAL 1.9 V p-p (H)	NTSC3.58 12.6 V p-p (H) NTSC4.43 12.6 V p-p (H)	4 V p-p (H)	12 V p-p (H)	12 V p-p (H)
0	12	13	14	15
ا المال				1
PAL 0.92 V p-p (H)	12 V p-p (H)	12 V p-p (H)	SECAM 0.5 V p-p (H)	SECAM 0.5 V p-p (H)
16		170	18	19
イイイイ	4444			
PAL 0.9 V p-p (H) SECAM 0.9 V p-p (H)	NTSC3.58 0.8 V p-p (H) NTSC4.47 0.8 V p-p (H)	12 V p-p (H)	12 V p-p (H)	12 V p-p (H)
20			2)	
		ŊſŀŀŀſŊſŀŀŀſŊſŀ	Langhanghangh	2-11-12-17
PAL 0.85 V p-p (H)	SECAM 1 V p-p (H)	NTSC3.58 0.85 V p-p (H) NTSC4.43 0.85 V p-p (H)	PAL 0.9 V p-p (H)	SECAM 0.9 V p-p (H)
21	2			
	LANGE CANAL CANAL	The Contract of the Contract o		
NTSC3.58 0.9 V p-p (H)	PAL 1.3 V p-p (H)	NTSC3.58 1 V p-p (H)		

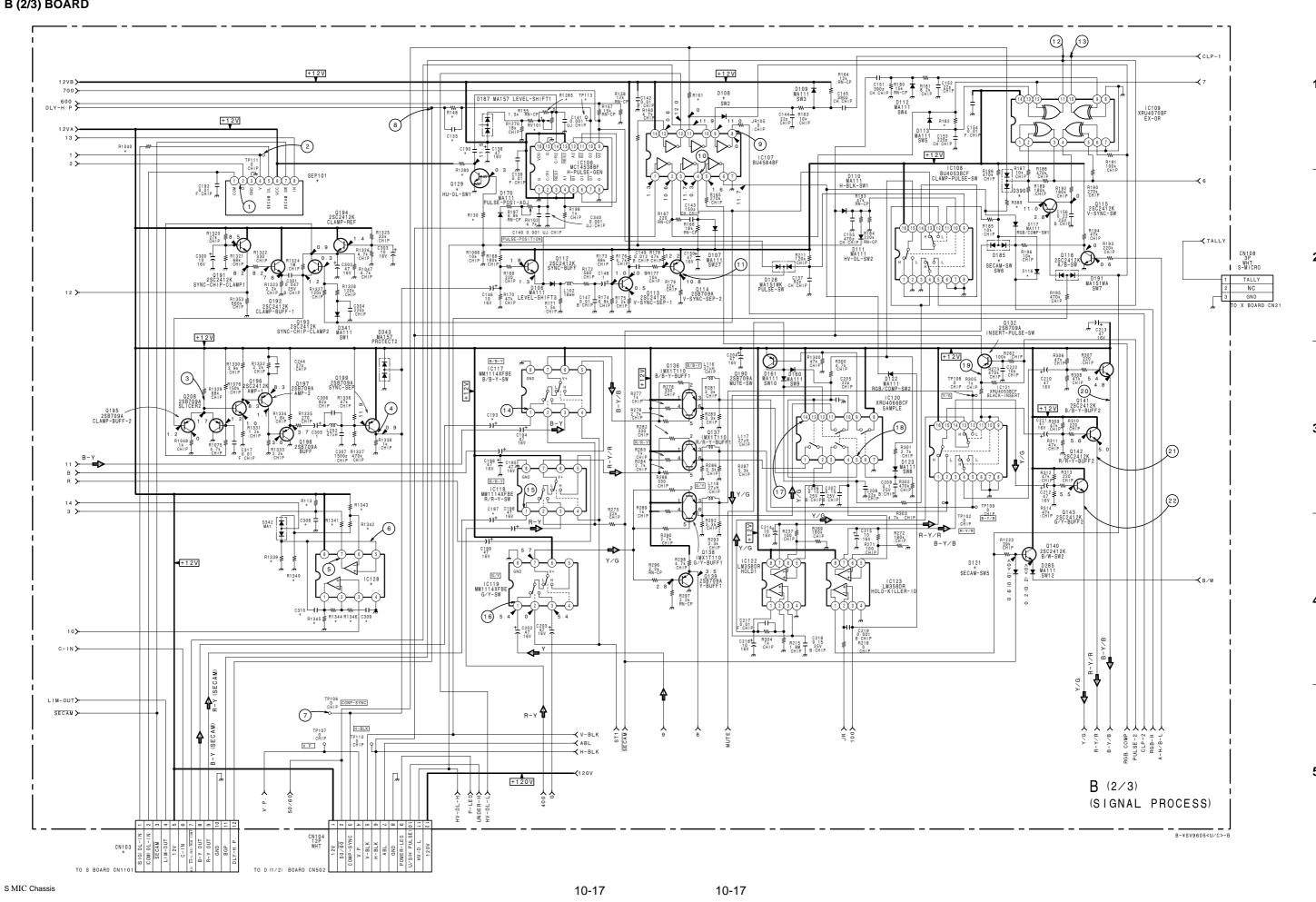
Il voltages are in V (volt).

В

10-16 10-16 S MIC Chassis D Ε F G Н

В

С



B MOUNT (3/3) VOLTAGES

1

2

3

5

PAL SECAM NTSC				IC	
2 1.1 1.1 1.1 3 1.7 1.5 1.5 4 1 0 0 0 5 1.6 1.8 1.8 6 GND GND GND 7 GND GND GND 8 NC NC NC 9 NC NC 10 1.8 1.8 1.8 11 0.9 0.9 0.9 12 1.6 1.8 1.8 13 1.6 1.8 1.8 14 12VA 12VA 12VA 1C124 1 4.3 4.3 4.3 2 4.3 4.3 4.3 3 5.2 5.2 5.2 4 GND GND GND 5 8.7 8.7 8.7 6 2.9 2.9 2.9 7 4.8 7.1 7.1 8 3.1 3.1 3.1 9 GND GND GND 10 5.6 5.6 5.6 11 5.7 5.7 5.7 12 5.6 5.6 5.6 13 GND GND GND 14 GND GND 15 GND GND 15 GND GND 16 0 0 0 17 0 0 0 18 0 0 0 19 GND GND 16 0 0 0 17 0 0 0 18 0 0 0 19 GND GND 20 1.3 1.3 1.3 21 0 0 0 22 0.4 0.6 0.6 23 0.2 0.2 0.2 24 0.2 0.2 0.2 25 4.2 4.2 4.2 26 4.7 4.7 4.7 27 4.5 4.5 4.5 28 6.1 6.8 6.8 29 GND GND GND 30 1.7 1.5 1.5 31 12VA 12VA 12VA 32 5.9 5.9 33 4.4 4.4 4.4 34 6 6.3 6.3 35 GND GND GND 30 1.7 1.5 1.5 31 12VA 12VA 12VA 32 5.9 5.9 33 4.4 4.4 4.4 34 6 6.3 6.3 35 GND GND GND 30 1.7 1.5 1.5 31 12VA 12VA 12VA 32 5.9 5.9 33 4.4 4.4 4.4 34 6 6.3 6.3 35 GND			PAL	SECAM	NTSC
3 1.7 1.5 1.5 4 1 0 0 5 1.6 1.8 1.8 6 GND GND GND 7 GND GND GND 8 NC NC NC 9 NC NC NC 10 1.8 1.8 1.8 11 0.9 0.9 0.9 12 1.6 1.8 1.8 13 1.6 1.8 1.8 14 12VA 12VA 12VA IC124 1 4.3 4.3 4.3 2 4.3 4.3 4.3 3 5.2 5.2 5.2 4 GND GND GND 5 8.7 8.7 8.7 6 2.9 2.9 7 4.8 7.1 7.1 8 3.1 3.1 3.1 9 GND GND GND 10 5.6 5.6 5.6 11 5.7 5.7 5.7 12 5.6 5.6 5.6 13 GND GND GND 14 GND GND GND 15 GND GND GND 14 GND GND GND 15 GND GND GND 16 0 0 0 17 0 0 0 18 0 0 0 19 GND GND GND 16 0 0 0 17 0 0 0 18 0 0 0 19 GND GND GND 20 1.3 1.3 1.3 21 0 0 0 22 0.4 0.6 0.6 23 0.2 0.2 0.2 24 0.2 0.2 0.2 24 0.2 0.2 0.2 24 0.2 0.2 0.2 25 4.2 4.2 4.2 26 4.7 4.7 4.7 27 4.5 4.5 4.5 28 6.1 6.8 6.8 29 GND GND GND 30 1.7 1.5 1.5 31 12VA 12VA 12VA 32 5.9 5.9 5.9 33 4.4 4.4 4.4 34 6 6.3 6.3 35 GND GND GND 36 1.8 1.5 1.5 37 12VA 12VA 12VA 38 6 6 6 39 6.2 7.5 7.5 40 GND GND GND 41 1.7 1.5 1.5 42 12VA 12VA 12VA 38 6 6 6 39 6.2 7.5 7.5 40 GND GND GND 41 1.7 1.5 1.5 42 12VA 12VA 12VA 43 12VA 12VA 12VA 44 6.2 6.2 6.2 45 0 0 0 46 4.7 5.1 5.1	IC116	1	1.8	1.8	1.8
4 1 0 0 0 5 1.6 1.8 1.8 6 GND GND GND GND BNC NC NC NC NC NC 10 1.8 1.8 1.8 1.8 11 0.9 0.9 0.9 12 1.6 1.8 1.8 1.8 13 1.6 1.8 1.8 14 12VA 12VA 12VA 12VA 12VA 12VA 12VA 12VA		2	1.1	1.1	
5 1.6 1.8 1.8 6 GND GND GND GND GND GND GND GND BNC NC NC NC 10 1.8 1.8 1.8 1.8 1.8 11 0.9 0.9 0.9 12 1.6 1.8 1.8 1.8 13 1.6 1.8 1.8 14 12VA 12VA 12VA 12VA 12VA 12VA 12VA 12VA		3	1.7	1.5	1.5
6 GND GND GND 7 GND GND GND 8 NC NC 9 NC NC 10 1.8 1.8 1.8 11 0.9 0.9 0.9 12 1.6 1.8 1.8 13 1.6 1.8 1.8 14 12VA 12VA 12VA IC124 1 4.3 4.3 4.3 3 5.2 5.2 5.2 4 GND GND GND 5 8.7 8.7 8.7 6 2.9 2.9 2.9 7 4.8 7.1 7.1 8 3.1 3.1 3.1 9 GND GND GND 10 5.6 5.6 5.6 11 5.7 5.7 5.7 12 5.6 5.6 5.6 13 GND GND GND 14 GND GND GND 15 GND GND GND 15 GND GND GND 16 0 0 17 0 0 0 18 0 0 0 19 GND GND GND 20 1.3 1.3 1.3 21 0 0 0 22 0.4 0.6 0.6 23 0.2 0.2 0.2 24 0.2 0.2 0.2 24 0.2 0.2 0.2 24 0.2 0.2 0.2 25 4.2 4.2 4.2 4.2 26 4.7 4.7 4.7 27 4.5 4.5 4.5 28 6.1 6.8 6.8 29 GND GND GND 30 1.7 1.5 1.5 31 12VA 12VA 12VA 32 5.9 5.9 5.9 33 4.4 4.4 4.4 34 6 6.3 6.3 35 GND GND GND 36 1.8 1.5 1.5 37 12VA 12VA 12VA 38 6 6 6 39 6.2 7.5 7.5 40 GND GND GND 41 1.7 1.5 1.5 37 12VA 12VA 12VA 38 6 6 6 39 6.2 7.5 7.5 40 GND GND GND 41 1.7 1.5 1.5 37 12VA 12VA 12VA 38 6 6 6 39 6.2 7.5 7.5 40 GND GND GND 41 1.7 1.5 1.5 37 12VA 12VA 12VA 38 6 6 6 39 6.2 7.5 7.5 40 GND GND GND 41 1.7 1.5 1.5 42 12VA 12VA 12VA 43 12VA 12VA 12VA 44 6.2 6.2 6.2 45 0 0 0 46 4.7 5.1 5.1			1	0	0
6 GND GND GND 7 GND GND GND 8 NC NC 9 NC NC 10 1.8 1.8 1.8 11 0.9 0.9 0.9 12 1.6 1.8 1.8 13 1.6 1.8 1.8 14 12VA 12VA 12VA IC124 1 4.3 4.3 4.3 3 5.2 5.2 5.2 4 GND GND GND 5 8.7 8.7 8.7 6 2.9 2.9 2.9 7 4.8 7.1 7.1 8 3.1 3.1 3.1 9 GND GND GND 10 5.6 5.6 5.6 11 5.7 5.7 5.7 12 5.6 5.6 5.6 13 GND GND GND 14 GND GND GND 15 GND GND GND 15 GND GND GND 16 0 0 17 0 0 0 18 0 0 0 19 GND GND GND 20 1.3 1.3 1.3 21 0 0 0 22 0.4 0.6 0.6 23 0.2 0.2 0.2 24 0.2 0.2 0.2 24 0.2 0.2 0.2 24 0.2 0.2 0.2 25 4.2 4.2 4.2 4.2 26 4.7 4.7 4.7 27 4.5 4.5 4.5 28 6.1 6.8 6.8 29 GND GND GND 30 1.7 1.5 1.5 31 12VA 12VA 12VA 32 5.9 5.9 5.9 33 4.4 4.4 4.4 34 6 6.3 6.3 35 GND GND GND 36 1.8 1.5 1.5 37 12VA 12VA 12VA 38 6 6 6 39 6.2 7.5 7.5 40 GND GND GND 41 1.7 1.5 1.5 37 12VA 12VA 12VA 38 6 6 6 39 6.2 7.5 7.5 40 GND GND GND 41 1.7 1.5 1.5 37 12VA 12VA 12VA 38 6 6 6 39 6.2 7.5 7.5 40 GND GND GND 41 1.7 1.5 1.5 37 12VA 12VA 12VA 38 6 6 6 39 6.2 7.5 7.5 40 GND GND GND 41 1.7 1.5 1.5 42 12VA 12VA 12VA 43 12VA 12VA 12VA 44 6.2 6.2 6.2 45 0 0 0 46 4.7 5.1 5.1		5	1.6	1.8	1.8
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41 1.7 1.5 1.5 42 12VA 12VA 12VA 43 12VA 12VA 12VA 44 6.2 6.2 6.2 45 0 0 0 46 4.7 5.1 5.1					
42 12VA 12VA 12VA 43 12VA 12VA 12VA 44 6.2 6.2 6.2 45 0 0 0 46 4.7 5.1 5.1					
43 12VA 12VA 44 6.2 6.2 6.2 45 0 0 46 4.7 5.1 5.1			1./	1.5	1.5
44 6.2 6.2 6.2 45 0 0 0 46 4.7 5.1 5.1			12VA	12VA	12VA
<u>45 0 0 0</u> <u>46 4.7 5.1 5.1</u>			12VA	12VA	12VA
46 4.7 5.1 5.1					
					0
		47	6.4	6.4	6.4
48 6.4 6.4 6.4		48	6.4	6.4	6.4

		PAL	SECAM	NTSC
IC125	_1_	1.8	1.8	1.8
	2	1.8	1.8	1.8
	3	1.8	1.8	1.8
	4	1.8	1.8	1.8
	5	0.7	0.7	0.7
	6	0.7	0.7	0.7
	7	GND	GND	GND
	8	1.7	1.7	1.7
	9	1.7	1.7	1.7
	10	1.7	1.7	1.7
	11	1.7	1.7	1.7
	12	0.7	0.7	0.7
	13	0.7	0.7	0.7
	14	12VA	12VA	12VA
IC126	1	1.8	1.8	1.8
	2	1.6	1.6	1.6
	3	NC	NC	NC
	4	1.6	1.6	1.6
	5	1.6	1.6	1.6
	6	GND	GND	GND
	7	GND	GND	GND
	8	GND	GND	GND
	9	GND	GND	GND
	10	10.7	10.7	10.7
	11	10.7	10.7	10.7
	12	1.8	1.8	1.8
	13	0	1.7	1.7
	14	1.8	1.8	1.8
	15	1.8	1.8	1.8
	16	12VA	12VA	12VA
IC127	1	6.1	5.8	5.8
-	2	1.7	1.7	1.7
	3	1.7	1.7	1.7
	4	GND	GND	GND
	5	1.7	1.7	1.7
	6	1.7	1.7	1.7
	7	6.1	5.9	5.9
	8	10.2	10.2	10.2
0400			ISISTOR	0.5
Q109	<u>B</u>	2.5	2.5	2.5
	<u>_</u> C_	0.5	1.1	1.1
04:0	Ē	GND	GND	GND
Q146	<u>B</u>	0.2	0.2	0.2
	С	112	112	112

	8	10.2	10.2	10.2			
TRANSISTOR							
Q109	В	2.5	2.5	2.5			
	B	0.5	1.1	1.1			
	Ē	GND	GND	GND			
Q146	B	0.2	0.2	0.2			
	С	112	112	112			
	Е	GND	GND	GND			
Q147	В	118.3	116.9	116.9			
	Ε	112.2	112.4	112.4			
	С	120.3	119.7	119.7			
Q148	В	82 87.5 89.2	84.4	84.4			
	С	87.5	91.3	91.3			
	Е	89.2	94.4	94.4			
Q149	В	88.5	89.5	89.5			
	B C E B C E	2.9	2.9	2.9			
	Е	93.2	93.2	93.2			
Q151	_B	83.5	85.2	85.2			
	_C	116.2	117.1	117.1			
	E	94.5	94.5	94.5			
Q152	B C E	98.9	99.8	99.8			
	_C	3	2.7	2.7			
	E	92.3	93.4	93.4			
Q154	_B_	90	92.3	92.3			
	B C E	99.5	99.2	99.2			
	Е	101.2	105	105			
Q155	B C	98.9	99.7	99.7			
	_C	3	2.5	2.5			
	E	94.5	95.8	95.8			

		PAL	SECAM	NTSC
Q165	В	1.1	0.8	0.8
Q105	C	GND	GND	GND
	Ĕ	1.8	1.5	1.5
Q166	В	1.1	0.8	0.8
Q100	Ċ	GND	GND	GND
	Ĕ	1.8	1.5	1.5
Q167	В	1.1	0.7	0.7
α.σ.	C	GND	GND	GND
	Ě	1.7	1.4	1.4
Q168	В	1.6	1.2	1.2
	С	GND	GND	GND
	Е	2.3	1.8	1.8
Q170	В	2.4	2.1	2.1
	С	12VA	12VA	12VA
	Е	1.7	1.5	1.5
Q172	B	2.4	2.1	2.1
	_C	12VA	12VA	12VA
	Е	1.7	1.5	1.5
Q173	В	1.8	1.8	1.8
	С	GND	GND	GND
	Е	2.3	2.3	2.3
Q157	В	2.3	2.3	2.3
	С	89	89	89
	E	1.7	1.8	1.8
Q158	В	2.3	2	2
	С	98.9	99.8	99.8
	Е	1.8	1.5	1.5
Q159	В	2.3	1.9	1.9
	С	98.9	99.7	99.7
	Е	1.8	1.4	1.4
Q161	В	0	0	0
	С	0.5	0.5	0.5
	Е	GND	GND	GND
Q189	_1_	4.6	5.1	5.1
	2	2.7	2.7	2.7
	3	4	3.3	3.3
	4	0	6.8	6.8
	5	0.6	0.6	0.6
0004	6	4	3.3	3.3
Q201	<u>B</u>	2	2	2
	<u>C</u>	GND	GND	GND
0202	E	2.6	2.6	2.6
Q202	<u>B</u>	2 CND	2 CND	2 CND
	C E	GND	GND	GND
0202	<u>-</u> В	2.6	2.6	2.6
Q203		2 CND	2 CND	
	C E	<u>GND</u> 2.6	GND 2.6	<u>GND</u> 2.6
0204				
Q204	_ <u>B</u> _C	2 GND	2 GND	2 GND
	E	2.6	2.6	2.6
Q205	В	1.7	1.7	1.7
Q203	C	GND	GND	GND
	Ĕ	2.3	2.3	2.3
Q206	В	1.2	1.2	1.2
QLUU	C	GND	GND	GND
	Ĕ	1.9	1.9	1.9
Q210	B	100	100.5	100.5
	C	116.2	116.7	116.7
	Ĕ	94.5	95.5	95.5
Q211	В	100	100.5	100.5
	C	116.4	116.7	116.7
	Ē	96.5	95.5	95.5
Q212	G	1.4	1.4	1.4
	D	1	1	1
	S	1	1	1

All voltages are in V (volt).NC: No connection.

CROSS-REFERENCE OF * MARKS ON B (3/3) BOARD

PVM-8042Q (U/C) PVM-8045Q (U/C) PVM-9042QM (AEP) PVM-9042QM (AUS) PVM-9045QM (AEP)

PVM-9045QM (AUS) PVM-9045PM(BRZ)

TP114 NOT USED 1-535-877-22 CHIP, CHEKER

B (3/3) BOARD WAVEFORMS

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1	1-11-11-11		\ <u>/</u> ///////////////////////////////////	
PAL 0.27 V p-p (H)	SECAM 0.25 V p-p (H)	NTSC3.58 0.25 V p-p (H) NTSC4.43 0.25 V p-p (H)	PAL 0.29 V p-p (H)	SECAM 0.37 V p-p (H)
2	3		4	
<u> </u>	There I have I have	Japan Japan Jap	 	
NTSC 3.58 0.29 V p-p (H) NTSC4.43 0.29 V p-p (H)	PAL 0.58 V p-p (H) SECAM 0.58 V p-p (H)	NTSC3.58 0.42 V p-p (H) NTSC4.43 0.42 V p-p (H)	PAL 0.36 V p-p (H)	SEVCAM 0.35 V p-p (H
4		(5)	6	7
	!! !!! = !! 			
NTSC3.58 0.8 V p-p (H)	NTSC4.43 0.6 V p-p (H)	4.7 V p-p (V)	10.2 V p-p (H)	3.5 V p-p (V)
8	9			100
	wyfwyfw	wykwykw	mymymm	and the same of th
3.5 V p-p (H)	PAL 2.0 V p-p (H)	SECAM 2.0 V p-p (H)	NTSC3.58 2.0 V p-p (H) NTSC4.43 2.0 V p-p (H)	
10		11)		
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SECAM 1.8 V p-p (H)	NTSC3.58 1.5 V p-p (H) NTSC4.43 1.5 V p-p (H)	PAL 1.8 V p-p (H)	SECAM 1.8 V p-p (H)	NTSC3.58 1.6 V p-p (H) NTSC4.43 1.6 V p-p (H)
12	13	14	15	16
PAL 0.54 V p-p (V) SECAM 0.54 V p-p (V)			<u> </u>	~~~~~~~
NTSC3.58 0.46 V p-p (V)	42 \/ n n /LI\	11 \/ n n /	261/22(11)	DAL 20 \/ n n /LI\
NTSC4.43 0.46 V p-p (V)	12 V p-p (H)	11 V p-p (H)	2.6 V p-p (H)	PAL 38 V p-p (H)
~~{\range\range}	րողողող			
SECAM 38 V p-p (H)	NTSC3.58 38 V p-p (H) NTSC4.43 38 V p-p (H)	PAL 45 V p-p (H)	SECAM 45 V p-p (H)	NTSC3.58 40 V p-p (H) NTSC4.43 40 V p-p (H)
18				
wylwylwy	mfmmfmmfmn	wwww		
PAL 46.8 V p-p (H)	SECAM 48.6 V p-p (H)	NTSC3.58 43 V p-p (H) NTSC4.43 43 V p-p (H)		

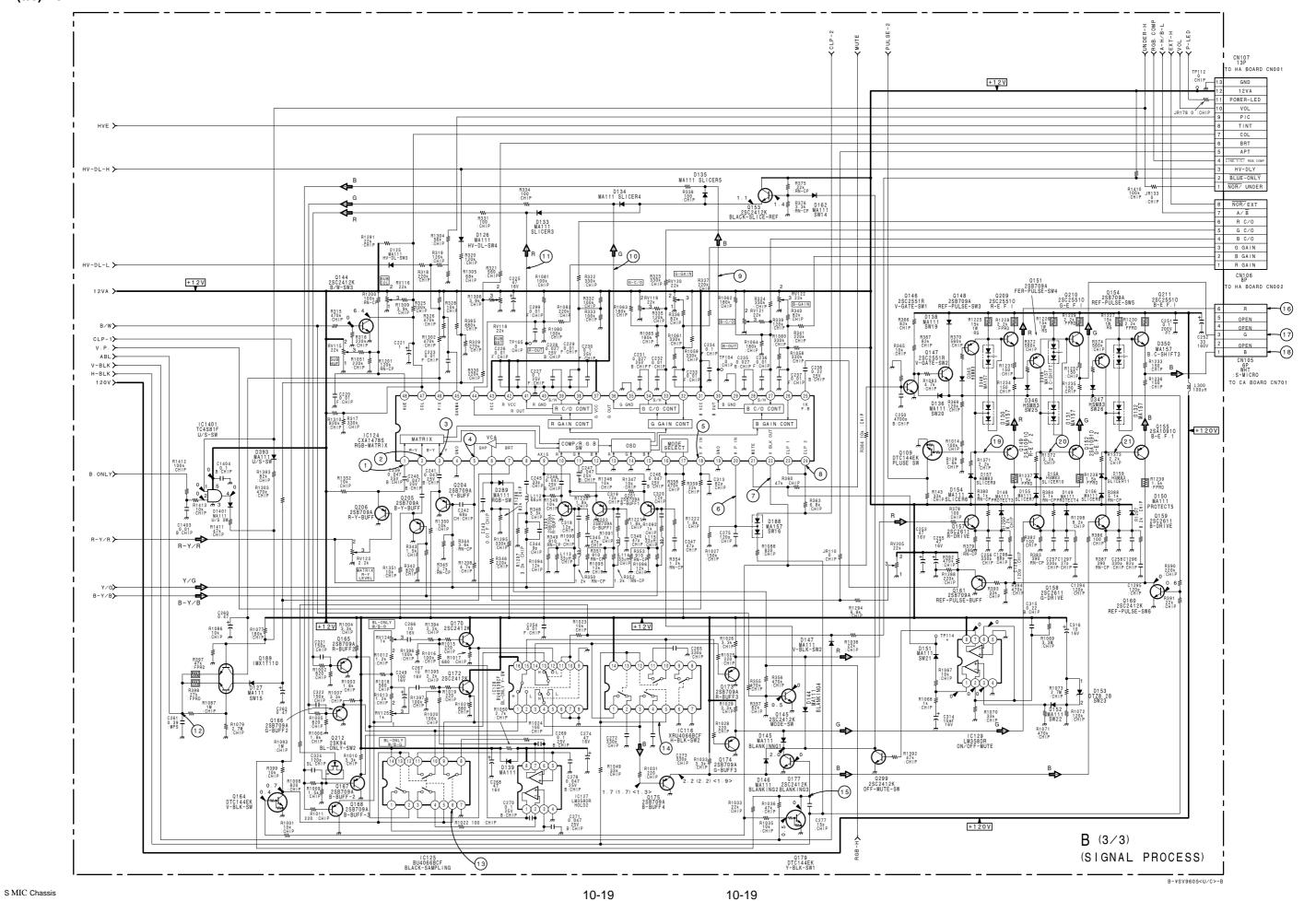
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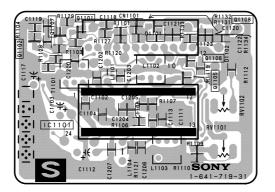
S BOARD

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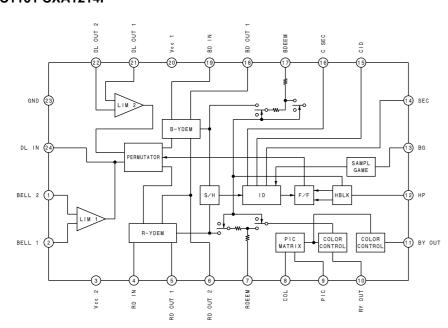
3

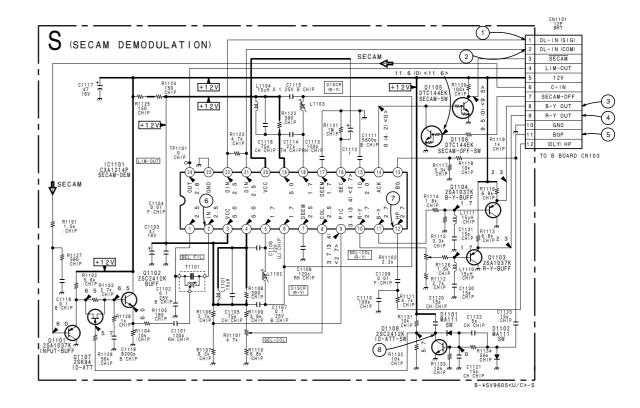




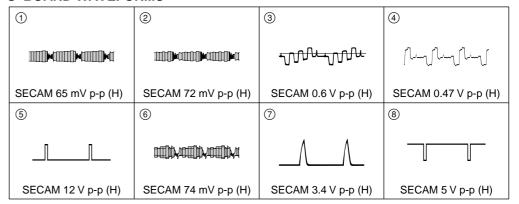
S -B SIDE-SUFFIX: -31

S BOARD IC1101 CXA1214P



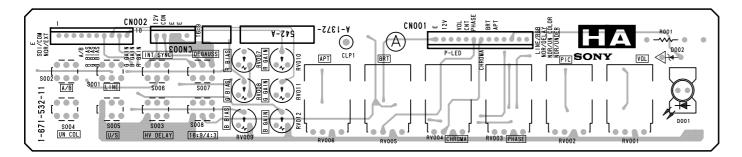


S BOARD WAVEFORMS

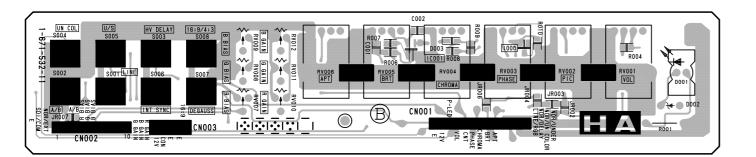


S MIC Chassis 10-20 10-20

HA BOARD HA BOARD

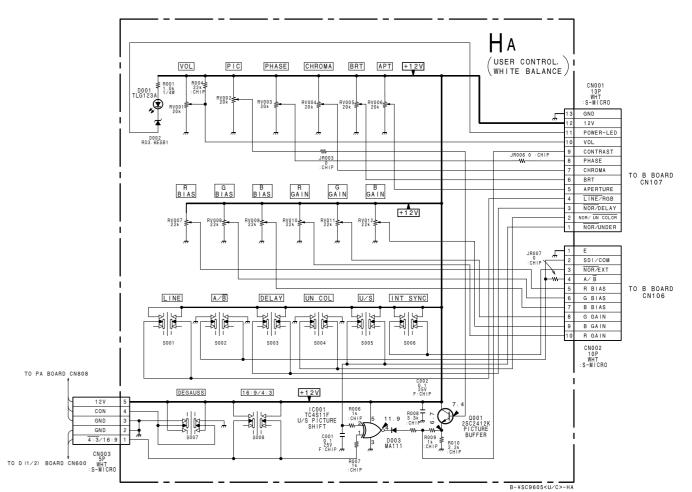


HA -A SIDE-SUFFIX: -11



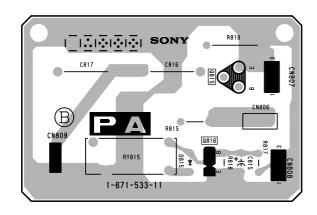
HA -B SIDE-SUFFIX: -11

PA BOARD



PA BOARD

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PA -B SIDE-SUFFIX: -11

B-¥SV9605<U/C>-PA

S MIC Chassis 10-21 10-21

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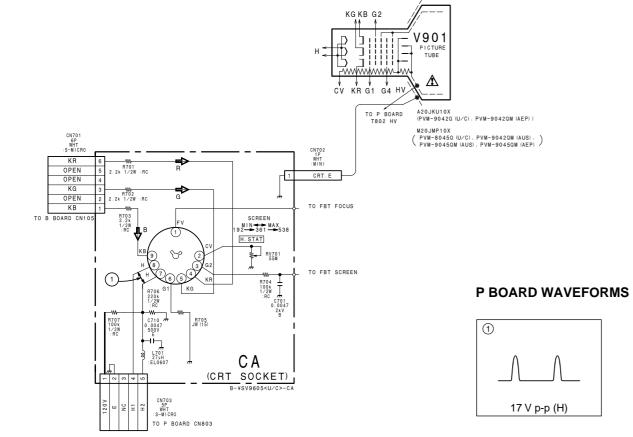
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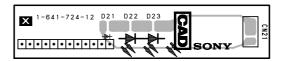
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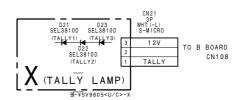
CA BOARD X BOARD

CA -B SIDE-SUFFIX: -12





X -B SIDE-SUFFIX: -12



10-22 10-22 S MIC Chassis

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